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USAFETAC/DS-80/035

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

BAD TOLZ GERMANY AAF WBAN # 34197
N 47 46 E 011 36 ELEV 2360 FT EDOV WMO # 10971

PARTS A-F
POR FROM HOURLY OBS SEP 64-DEC 70
POR FROM DAILY OBS SEP 64-FEB 65, JUN 66-DEC 70

JAN 26 1972

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SUSAN V. BERRY, 2 Lt, USAF
Information Retrieval
Manager

FOR THE COMMANDER


WALTER S. BURGMANN
Scientific & Technical
Information Officer

10-1-78
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1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
USAFETAC/DS-80/035																	
4. TITLE (and Subtitle)		5. TYPE OF REPORT & PERIOD COVERED															
Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Bad Tolz AAF, Bad Tolz, Germany		Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
		8. CONTRACT OR GRANT NUMBER(s)															
9. PERFORMING ORGANIZATION NAME AND ADDRESS		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS															
USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225																	
11. CONTROLLING OFFICE NAME AND ADDRESS		12. REPORT DATE															
USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		26 Jan 72															
		13. NUMBER OF PAGES															
		p.															
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report)															
		UNCLASSIFIED															
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<table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number)																	
<p>This report is a six-part statistical summary of surface weather observations for Bad Tolz AAF, Bad Tolz, Germany</p> <p>It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)</p>																	

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1 JAN 73 1473

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Germany

*Bad Tolz AAF, DL

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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DATA PROCESSING DIVISION
UCAFTAC OL-1
AIR WEATHER SERVICE (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA DATA NOT AVAILABLE

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP DATA NOT AVAILABLE

EXTREME MAX & MIN TEMP DATA NOT AVAILABLE

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____

APRIL _____

JULY 00-02 _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER 00-02, 21-23 _____

MARCH 00-02, _____

JUNE _____

SEPTEMBER _____

DECEMBER 00-02, 21-23 _____

STATION NO OR SUMMARY		STATION NAME		LATITUDE		LONGITUDE		STATION ELEV (FT)		CALL SIGN		WMO NUMBER	
34197		BAD TOLZ GERMANY AAF		N 47 46		E 011 36		2360		EDOV		10971	
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY				
			FROM	TO			STATION (FT)	BAROMETER					
1	Bad Tolz Germany	AAF	Sep 64	Feb 66	N 47 46	E 011 36	2360	2355	9 to 14				
2	No change	AAF	Mar 66	Jun 66	No chge	No chge	No chge	2351	14				
3	No change	AAF	Jul 66	Feb 68	No chge	No chge	No chge	2354	17				
4	No change	AAF	Mar 68	Dec 70	No chge	No chge	No chge	2353	13 to 17				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Sep 64 to Feb 65	Located on top of operations bldg.	AN/GMQ-11	None	46 ft	
2	Mar 65 to Feb 66	No change	No chge	None	76 ft	
3	Mar 66 to Feb 68	Located on top of control tower.	No chge	None	79 ft	
4	Mar 68 to Dec 70	No change	No chge	None	50 ft	

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197

BAD TOLZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	SLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL	.0	5.4		19.3		23.6	15.3	9.9	.1		21.1	2547
FEB			9.6	.1	14.3		23.3	14.9	8.8	.6		22.2	2431
MAR			6.5		18.3		23.8	19.2	11.6	.3		29.1	2974
APR		.1	15.6		8.3		23.3	16.3	12.9			24.7	2445
MAY		1.2	22.7		1.1		23.4	12.4	8.2			18.4	2513
JUN		8.0	24.7			.0	24.7	21.2	20.6			26.4	2627
JUL		3.0	12.2				12.2	8.6	5.0			12.2	2514
AUG		1.9	16.3			.0	16.8	26.1	14.0			31.4	2712
SEP		.4	10.7				10.7	27.8	19.1			36.1	2731
OCT		.1	8.3		1.2		9.1	13.4	6.6			19.1	2425
NOV			10.3	.2	9.5		19.2	30.4	9.6			34.1	3144
DEC			7.9	.2	20.8		28.0	26.6	9.3			32.9	2875
TOTALS		1.2	12.6	.0	7.7	.0	19.8	19.5	11.3	.1		25.7	33247

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO OF OBS
JAN	00-02												
	03-05		6.6		27.4		32.7	22.6	12.4	.4		2.0	22.5
	06-08		6.2		29.2		32.4	24.8	11.2	.2		31.5	44.7
	09-11		5.6		27.5		31.8	20.9	9.3			26.0	51.5
	12-14		5.4		22.6		26.2	14.6	16.0			25.0	5.0
	15-17		7.9		22.2		29.3	13.2	17.9	.2		27.0	47.2
	18-20	.3	11.5		26.3		36.3	26.3	12.6			33.0	35.0
	21-23												5.0
TOTALS		.0	5.4		19.3		23.6	15.3	9.9	.1		21.0	254.7

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WEATHER CONDITIONS

34197

BAD TOLZ GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		16.7				16.7						
	03-05		10.7	.4	20.6		30.9	16.5	5.3	.4		20.0	243
	06-08		9.8		20.5		28.8	16.3	7.0	.7		20.7	40
	09-11		11.4		18.7		29.2	17.0	10.1	1.3		24.0	405
	12-14		9.5		18.2		27.3	12.1	10.2	.6		19.5	442
	15-17		8.9		16.5		24.9	10.5	10.8	.7		20.4	401
	18-20		10.1		20.1		28.8	12.8	10.3	1.1		22.2	35
	21-23							33.3	16.7			50.0	
TOTALS			9.8	.1	14.3		23.3	14.9	8.8	.6		22.3	2431

DATA PROCESSING DIVISION
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AIR WEATHER SERVICE/1AC

WEATHER CONDITIONS

34197 BAD TOLZ GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	SLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02												
	03-05		8.7		24.6		33.0	30.8	5.1	.7		37.2	27
	06-08		8.1		22.6		28.9	29.2	10.8	.2		36.7	27
	09-11		8.2		22.0		28.5	22.0	10.5	.2		31.	38
	12-14		7.7		20.1		26.7	17.9	14.5			30.2	50
	15-17		6.6		19.5		24.6	15.8	16.8	.2		32.3	50
	18-20		6.0		20.0		24.9	18.9	17.8	.6		35.7	442
	21-23												2
TOTALS			6.5		18.3		23.8	19.2	11.6	.3		29.0	2974

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197

BAD TOLZ GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		15.3				15.3	23.7	18.6			30.5	7
	03-05		15.2		16.0		30.8	18.4	4.8			21.2	2
	06-08		17.1		13.0		28.7	22.0	12.5			29.4	527
	09-11		13.2		11.2		24.0	16.6	14.3			26.3	527
	12-14	.4	13.4		8.4		20.7	9.3	14.0			21.1	327
	15-17	.2	13.1		8.6		21.0	10.1	14.8			21.7	324
	18-20	.4	17.7		9.3		26.4	13.4	12.2			21.6	40
	21-23		19.8				19.8	17.0	12.3			21.7	10
TOTALS		.1	15.6		8.3		23.3	16.3	12.9			24.2	3143

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197

BAB TULZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02		17.9				17.9	10.3	15.4			23.1	3
	03-05	.5	17.1		.5		17.6	18.6	7.0			21.1	13
	06-08	.4	20.7		2.2		22.2	17.9	7.8			21.4	507
	09-11	.2	22.5		1.3		22.9	12.7	6.3			17.3	547
	12-14	1.9	24.7		1.9		26.2	10.6	5.1			15.2	527
	15-17	2.3	26.7		1.5		28.0	9.0	3.5			11.1	321
	18-20	4.1	24.9		1.0		26.0	10.2	5.1			14.2	373
	21-23		26.7				26.7	10.0	15.0			25.0	6
TOTALS		1.2	22.7		1.1		23.4	12.4	8.2			18.6	2413

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197 BAF TOLZ GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUN	00-02		33.3				33.3	66.7	66.7			66.7	
	03-05		23.3				23.3	23.8	12.6			26.7	2
	06-08		22.4				22.4	16.7	9.2			20.7	522
	09-11	.4	17.4				17.4	8.8	8.2			15.3	522
	12-14	2.9	19.7			.2	19.7	5.9	5.9			10.9	512
	15-17	4.7	20.3				20.3	5.5	5.1			10.1	517
	18-20	10.1	24.9				24.9	5.9	2.4			8.7	33
	21-23	45.5	36.4				36.4	36.4	54.5			54.5	11
TOTALS		8.0	24.7			.0	24.7	21.2	20.6			26.6	2627

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34197

BAB TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02												
	03-05	2.3	13.6				13.6	26.7	9.5			31.7	23
	06-08	.8	16.6				16.6	14.5	8.1			27.4	54
	09-11	.4	13.1				13.1	8.1	8.1			14.1	52
	12-14	1.2	10.3				10.3	4.8	4.3			8.7	44
	15-17	6.6	17.1				17.1	3.1	2.0			5.1	45
	18-20	10.0	15.0				15.0	2.7	2.9			5.3	33
	21-23												4
TOTALS		3.0	12.2				12.2	8.6	5.0			12.2	2514

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197 BAS TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FCG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
AUG	00-02							100.0	50.0			100.0	2
	03-05		20.2				20.2	26.3	9.9			33.3	60
	06-08	.4	19.1				19.1	24.3	11.8			30.0	344
	09-11		19.1				19.1	15.2	12.9			24.7	524
	12-14	1.5	21.2				21.2	9.1	11.2			18.1	51
	15-17	3.3	17.9				17.9	7.3	8.6			14.3	421
	18-20	3.2	16.8			.3	17.1	6.4	7.2			12.0	370
	21-23	6.7	20.0				20.0	20.0				20.0	12
TOTALS		1.9	16.8			.0	16.8	26.1	14.0			31.6	2712

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

34197 BAD TOLZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02		9.7				9.7	48.4	32.3			54.0	1
	03-05	.4	11.0				11.0	46.6	11.0			50.0	23
	06-08	.2	11.7				11.7	34.6	11.1			37.7	5
	09-11		10.6				10.6	16.9	12.5			25.2	50
	12-14	.2	7.5				7.5	7.3	14.6			19.2	7
	15-17	.9	11.8				11.8	7.3	14.7			18.4	40
	18-20	1.3	17.0				17.0	15.5	18.8			26.6	2
	21-23		6.1				6.1	45.5	37.9			56.1	10
TOTALS		.4	10.7				10.7	27.8	19.1			36.0	273

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197

BAD TOLZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-02												
	03-05		13.9		.4		14.3	27.7	5.5			29.4	23
	06-08		13.0		2.9		15.0	31.9	5.6			32.4	384
	09-11		14.2		1.8		14.9	20.9	8.5			25.3	307
	12-14		9.2		1.5		10.4	15.2	12.3			23.2	27
	15-17		9.0		1.6		10.2	12.2	12.9			21.7	543
	18-20	.8	7.0		1.6		8.1	15.6	7.8			20.	312
	21-23												
TOTALS		.1	8.3		1.2		9.1	15.4	6.6			19.1	2923

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197

BAF TULZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
NOV	00-02												
	03-05		10.8	.7	11.2		21.6	32.8	6.3			36.1	2
	06-08		10.8		12.5		21.8	31.9	7.4			34.7	34
	09-11		8.8		9.6		17.9	28.7	10.3			32.7	5
	12-14		10.0		9.5		18.9	26.0	11.7			31.7	7
	15-17		11.7		5.8		17.3	28.3	11.8			34.7	5
	18-20		9.9	.7	8.3		17.9	34.5	9.9			34.4	44
	21-23												
TOTALS			10.3	.2	9.5		19.2	30.4	9.6			34.7	344

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

34197

BAG TOLZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02												
	03-05		10.0	.5	22.3		31.4	22.3	6.4			25.1	27
	06-08		8.5	.4	21.8		29.9	28.2	6.0			32.1	371
	09-11		7.6	.3	19.1		25.0	27.2	10.1			34.2	513
	12-14		6.9		19.0		24.9	22.8	13.2			32.1	612
	15-17		6.8		20.1		26.5	26.7	11.6			34.1	541
	18-20		7.8		22.5		29.1	32.4	8.6			37.1	393
	21-23												
TOTALS			7.9	.2	20.8		28.0	26.6	9.3			32.9	2876

DATA PROCESSING DIVISION
EFAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jun 46-May 57	Snow depth at 1230 OCT
	Jun 57-present	Snow depth at 1200 OCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 OCT
	Jul 52-May 57	Snow depth at 1230 OCT
	Jun 57-present	Snow depth at 1200 OCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,
~~but has been removed from the summary since that time.~~

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

66-70
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	33.9	4.8	4.8	3.2	4.8	14.5	21.0	9.7	3.2					61.3	62	7.15	10.08	4.21
FEB	29.8	8.2	2.4	9.5	6.0	25.0	9.5	9.5						61.9	84	4.16	8.46	1.92
MAR	37.6	14.0	5.4	5.4	5.4	19.4	10.8	2.2						48.4	93	2.81	3.61	2.32
APR	40.0	10.0	2.2	7.6	4.4	6.7	13.3	13.3	2.2					50.0	90	5.52	7.67	2.74
MAY	25.8	22.6	6.5	9.7	3.2	16.1	3.2	6.5	3.2	3.2				51.6	31	6.58	6.58	6.58
JUN	27.8	16.7	2.2	6.7	5.6	7.8	7.8	16.7	8.9					55.6	90	9.33	10.22	7.74
JUL	33.3	6.5	2.2	9.7	5.4	10.8	7.5	16.1	7.5	1.1				60.2	93	9.54	12.45	6.29
AUG	24.7	6.5	6.5	10.8	5.4	6.5	17.2	18.3	4.3					68.8	93	2.92	10.42	7.09
SEP	46.7	12.5	3.3	7.5	.8	9.2	13.3	3.0	1.7					40.8	120	3.61	4.86	1.60
OCT	57.3	12.1	4.0	2.4	2.4	3.2	8.1	3.6	4.8					30.6	124	4.55	6.51	1.29
NOV	45.0	17.5	3.3	8.3	5.8	5.0	7.5	7.5						37.3	120	2.84	4.51	1.22
DEC	26.9	15.1	2.2	14.1	10.8	12.9	12.9	3.2						58.1	92	3.34	5.01	1.53
ANNUAL	35.7	12.2	3.7	8.1	5.0	11.4	11.0	9.5	3.0	.4				52.1	1093	6.35		

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PRECIPITATION

FROM DAILY OBSERVATIONS

66-70

YEARS

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USAF ETAC FORM 0-88-5 (OU)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

66-70

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

1 DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

67-70
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 05	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 54	55 104	105 154	155 254	255 504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	39.8	6.5	8.6	14.0	3.2	5.4	4.3	6.5	9.7	1.1	1.1			59.8	93	63.1	42.6	9.7
FEB	41.7	10.7	6.0	15.5	3.6	7.1	6.0	4.8	4.8					47.6	84	37.4	69.3	8.5
MAR	53.8	7.5	4.3	9.7	8.6	6.3	6.5	4.3	1.1					38.7	93	26.5	39.5	19.4
APR	64.4	4.4	5.6	8.9	2.2	5.6	2.2	3.3	3.3					31.1	90	25.0	34.9	9.5
MAY	95.2	1.6			1.6			1.6						3.2	62	3.3	6.5	TRACE
JUN	96.7	3.2													60	TRACE	TRACE	.0
JUL	100.0														62	.0	.0	.0
AUG	98.9	1.1													93	TRACE	TRACE	.0
SEP	100.0														90	.0	.0	.0
OCT	92.7	3.2		1.6		2.4								4.0	124	2.6	10.2	.0
NOV	82.2	7.8	3.2	3.3					3.2					10.0	90	8.7	23.3	.8
DEC	48.2	17.7	6.5	12.9	4.8	3.2	3.2	3.2	3.2					37.1	62	26.8	33.9	19.7
ANNUAL	75.9	5.2	2.9	3.5	2.0	2.3	1.4	2.0	2.1	.1	.1			18.8	1003	195.4		

EXTREME VALUES

SNO-FALL
(FROM DAILY OBSERVATIONS)

24197 BAR TOLZ GERMANY AAF
STATION STATION NAME

67-70

YEARS²

24 HOUR AMOUNTS IN INCHES

[illegible]

EXTREME VALUES

14197	BAD TOLZ GERMANY AAF
STATION	STATION NAME

67-70

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

1 DATA PROCESSING DIVISION
USAF HTAC
AFR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

34397
STATION

BAW TOLZ GERMANY AAF
STATION NAME

67-70
YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02 03	06 10	11 25	26 50	51 100	101 250	251 500	501 1000	1001 2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01 04	05 14	15 24	25 34	35 44	45 64	65 104	105 154	155 254	255 504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4 6	7 12	13 24	25 36	37 48	49 60	61 120	OVER 120					
JAN	24.2		2.2	3.2	4.5	10.1	31.2	37.6	1.1					97.6	93			
FEB	19.0		1.2	4.8		8.3	31.0	27.4	8.3					81.0	84			
MAR	37.6		1.1	2.2	7.5	9.7	14.0	18.3	9.7					62.4	93			
APR	77.8		3.3	5.6	3.3	7.8	2.2							22.2	90			
MAY	100.0														62			
JUN	100.0														60			
JUL	100.0														62			
AUG	100.0														93			
SEP	100.0														90			
OCT	97.6	.8	.8	.8										1.6	124			
NOV	86.7	6.7	1.1				3.3	2.2						4.7	90			
DEC	46.3	4.8	6.3	1.6	3.3	19.4	17.7							48.4	62			
ANNUAL	72.3	1.0	1.3	1.3	1.7	5.1	8.3	7.1	1.6					26.7	1003			

DATA PROCESSING DIVISION
USAF HAF
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

24197 BAB TOLZ GERMANY AAF
STATION STATION NAME

64-65, 67-70 YEARS

DAILY SNOW DEPTH IN INCHES

[illegible]

EXTREME VALUES

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

64-65, 67-70

YEARS

[illegible]

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

DATA NOT AVAILABLE

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VAREL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

DATA PROCESSING DIVISION
AFAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34.97 STATION 64-70 YEARS MONTH -LL HOURS (LST)

BAD TOLZ GERMANY AAF STATION NAME

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7	.1	.0								1.4	3.1
NNE	.5	.6	.1									1.2	4.2
NE	.7	.5	.6	.0								2.8	5.1
ENE	1.3	3.6	2.5	.4	.0							7.8	4.1
E	1.4	2.9	2.9	.6	.0							7.8	5.4
ESE	.4	.3	.1	.0								.9	4.1
SE	.3	.1	.0	.0								.4	3.3
SSE	.3	.1	.0	.0								.4	3.3
S	1.3	1.3	.5	.3	.0	.0						3.4	5.4
SSW	1.7	3.3	1.9	.5	.0	.0						7.4	5.9
SW	1.6	3.8	1.6	.1	.0							7.1	5.3
WSW	1.8	2.9	2.3	.4	.1	.0	.0					8.5	5.9
W	1.7	4.3	4.4	1.6	.2	.0						12.3	7.2
WNW	1.3	2.7	1.6	.3	.0	.0						6.8	5.3
NW	1.0	1.3	.5	.1	.0							2.9	4.8
NNW	.6	.7	.2	.0	.0							1.5	4.4
VARBL	1.2	.5	.1	.0	.0							1.9	3.7
CALM												26.7	
	17.8	31.6	19.5	4.5	.4	.0	.0					108.8	4.3

TOTAL NUMBER OF OBSERVATIONS 33247

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 9A197 RAB TOLZ GERMANY AAF YEARS 65-70 MONTH JAN
STATION NAME
CLASS ALL WEATHER
CONDITION
HOURS (L & T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3										.6	3.5
NNE	.4	.3										.7	3.6
NF	.3	.2	.0									1.3	4.4
ENE	1.3	2.6	1.5	.1								5.7	5.3
E	1.7	2.0	1.8	.3								5.8	5.7
ESE	.4	.6										.8	3.6
SE	.5	.0										.5	2.3
SSE	.3											.3	2.1
S	1.3	.7	.2	.0								2.2	3.6
SSW	1.2	2.0	1.1	.2								5.5	5.2
SW	1.4	4.0	1.4	.2	.0							7.0	5.3
WSW	2.6	4.6	2.7	.7	.1							10.2	5.9
W	1.6	3.6	4.2	2.1	.2							15.7	7.4
WNW	1.1	1.9	1.8	.8								5.1	6.3
NW	.5	.6	.2	.1								1.4	5.1
NNW	.3	.3	.3	.2								1.6	6.6
VARBL	.7	.1										.7	2.6
CALM												34.9	
	15.9	27.4	17.0	4.3	.4							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 2547

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAD TOLZ GERMANY AAF STATION NAME 65-70 YEARS MONTH 11 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.1	.0								.4	4.2
NNE	.3	.5	.0									.4	4.1
NE	.3	.8	.2									1.4	4.9
ENE	1.6	2.7	1.6	.4								6.3	5.4
E	1.4	2.2	2.0	.7								7.4	6.7
ESE	.4	.2	.0									.7	3.4
SE	.1	.1										.2	2.2
SSE	.4	.2										.4	3.2
S	1.2	1.2	.7	.9	.0							3.2	7.1
SSW	1.3	3.1	2.8	1.1	.2							8.4	7.2
SW	1.7	3.7	2.5	.2								8.1	6.5
WSW	1.4	4.1	2.8	.8	.3	.0	.0					9.4	7.1
W	1.6	6.2	3.7	2.0	.6	.1						14.1	7.8
WNW	1.2	2.4	1.3	.2	.2							5.2	6.1
NW	.9	1.1	.2									2.2	4.2
NNW	.4	.2	.0	.0								.7	3.9
VARBL	.7	.1										.9	2.5
CALM												28.5	
	15.2	29.2	19.0	6.6	1.3	.1	.0					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 2421

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

14197 0AD TOLZ GERMANY AAF

65-70

ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.9										1.6	3.6
NNE	.4	.4	.1									1.1	4.2
NE	.8	1.5	.4									2.7	4.5
ENE	1.0	3.7	2.3	.6								7.7	4.3
E	1.6	2.9	3.5	.6								8.5	4.6
ESE	.3	.3	.0									.6	3.7
SE	.2	.1										.3	2.7
SSE	.2	.1	.0									.3	3.4
S	.9	.7	.3	.4	.1							2.4	6.1
SSW	1.4	2.5	2.0	.3								7.3	5.2
SW	1.0	3.9	2.3	.3								7.5	6.1
WSW	1.6	3.8	3.5	1.0	.1							10.1	6.7
W	1.4	4.4	7.6	4.2	.7	.1						18.5	6.9
WNW	.9	2.2	2.3	.4	.0							5.3	6.6
NW	1.2	1.7	.8	.1	.0							3.1	5.1
NNW	.5	.5	.2	.0								1.2	4.4
VARBL	.6	.2										.9	2.9
CALM												19.9	
	14.9	30.8	25.3	8.1	.9	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 2974

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 BAB TOLZ GERMANY AAF

YEARS 65-70

ALL WEATHER

CLASS

CONDITION

MONTH
HOUR, (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.0									1.2	2.0
NNE	.3	.5	.2									1.0	4.0
NE	.3	1.4	.8	.1								2.6	5.0
ENE	1.0	3.2	2.9	.7								7.9	6.7
E	.9	3.5	3.2	.5								8.1	6.0
ESE	.3	.2	.1	.1								.6	3.0
SE	.3	.1	.1	.0								.6	4.4
SSE	.1	.2		.1								.4	4.2
S	1.0	1.6	.4	.0								3.0	4.4
SSW	1.5	3.4	1.9	.5								7.4	5.5
SW	1.0	3.9	2.3	.2								7.5	5.5
WSW	1.4	4.7	2.5	.5								9.1	6.0
W	1.9	4.9	5.7	2.1	.3	.0						14.0	7.8
WNW	1.4	3.4	2.8	.9	.1							5.7	5.4
NW	1.5	1.5	.9	.1	.0							4.0	5.0
NNW	.6	.8	.2		.0							1.4	4.0
VARBL	.3	.2	.0	.2	.0							.7	4.5
CALM												21.1	
	14.2	34.3	24.0	5.8	.5	.0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 3245

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAD TOLZ GERMANY AAF YEARS 65-70 MONTH
CLASS ALL WEATHER HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8	.2	.0								1.6	4.3
NNE	.6	.6	.3									1.5	4.7
NE	.6	1.2	.8									2.6	5.6
ENE	.9	3.4	4.2	.6	.0							9.2	7.1
E	.6	3.3	4.7	1.3								9.9	7.3
ESE	.4	.3	.2	.0								.9	4.1
SE	.2	.2	.1									.5	4.5
SSE	.1	.1	.0									.2	3.9
S	1.2	1.2	.6	.3								3.3	5.5
SSW	1.4	3.6	2.3	.5								7.7	4.1
SW	1.7	3.7	1.3									6.7	5.1
WSW	1.4	4.1	2.2	.2	.1							8.0	5.9
W	2.0	4.1	3.0	.9	.1							12.2	4.1
WNW	1.2	3.4	2.6	.4	.0							7.6	4.3
NW	1.0	1.7	.8	.1								3.6	5.1
NNW	.6	.9	.3									1.8	4.5
VARBL	1.1	.7	.1	.1								1.9	3.9
CALM												21.0	
	15.5	23.3	25.5	4.5	.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 2312

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

NORTH

ALL WEATHER
CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.6	.2									2.7	4.1
NNE	.6	.8	.2									1.4	4.2
NE	.8	1.6	1.1	.1								3.4	5.7
ENE	.9	3.0	2.9	.7	.0							7.6	7.1
E	.9	2.8	3.5	.8	.1							8.1	7.7
ESE	.2	.3	.1									.5	4.4
SE	.1	.1										.2	3.0
SSE	.1		.0									.2	3.0
S	1.3	.8	.2	.0	.0							2.4	4.4
SSW	2.4	3.1	1.3	.3								7.4	4.4
SW	1.7	3.4	1.2									6.4	5.0
WSW	2.2	3.6	1.6	.4	.0							7.6	5.5
W	1.9	4.9	3.1	.9	.1							10.9	6.6
WNW	1.4	3.2	2.0	.3		.0						7.4	5.1
NW	1.3	2.2	.8	.1								4.4	5.1
NNW	1.1	1.8	.3	.1								3.4	4.4
VARBL	1.7	1.2	.2									3.4	3.8
CALM												23.5	
	19.5	34.3	18.7	3.6	.3	.0						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 2627

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.5	.2	.0								2.4	4.2
NNE	.4	.6	.2									1.1	4.4
NE	.7	1.6	1.0	.0								3.4	5.0
ENE	.9	3.6	2.6	.3								7.4	4.1
E	1.2	3.5	3.3	.6								8.6	4.9
ESE	.2	.4	.1									.7	4.4
SE	.1	.0										.1	4.0
ESE	.2	.3	.0	.0								.2	4.0
S	.8	1.4	.5	.3								2.3	3.4
SSW	1.4	3.9	1.9	.2								7.4	5.2
SW	1.8	4.5	1.2									7.5	4.2
WSW	2.6	3.7	1.7	.1								8.1	4.0
W	1.9	3.8	3.0	.6								9.3	5.1
WNW	1.8	3.3	1.7	.1								6.2	3.2
NW	1.3	2.2	1.1	.0								4.7	5.1
NNW	.8	1.8	.2									2.9	4.3
VARBL	1.1	1.0	.2	.2								2.4	4.3
CALM												27.7	
	17.9	37.0	18.6	2.4								10.1	4.1

TOTAL NUMBER OF OBSERVATIONS

2514

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 STATION 34197 BAP TOLZ GERMANY AAF 65-70 YEARS MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1	.0									2.1	3.4
NNE	.7	1.2	.2									2.4	4.5
NE	.9	2.0	.0									3.5	5.1
ENE	1.1	3.9	3.3	.2								8.5	5.2
E	1.2	2.9	2.2	.2								4.4	5.3
ESE	.4	.2	.1									.7	3.7
SE	.2	.1										.4	2.7
SSE	.5	.1										.4	2.4
S	1.7	1.2	.5	.1	.1	.0						3.3	4.0
SSW	1.8	4.0	2.4	.2								8.4	5.7
SW	2.1	3.9	1.8	.0	.0							7.3	5.2
WSW	1.8	4.6	1.7	.2								8.3	5.2
W	1.8	3.5	2.6	.4								8.3	5.0
WNW	2.1	2.4	1.2	.2								7.0	5.0
NW	1.4	1.7	.3									3.4	4.1
NNW	1.0	.7	.2	.0								2.0	4.1
VARBL	1.7	1.1	.0									2.0	3.4
CALM												22.0	
	21.6	26.0	17.9	1.6	.1	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 2712

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

MONTH

ALL WEATHER
CLASS

111
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	.4	.1									1.3	3.4
NNE	.5	.7	.0									1.2	3.9
NE	.8	2.2	.6	.0								3.7	5.0
ENE	2.1	5.2	3.1	.6								11.0	5.4
E	1.6	3.9	3.4	.6								6.5	6.1
ESE	.4	.1	.1									.7	3.9
SE	.4		.0									.4	2.2
SSE	.4	.1										.5	2.9
S	1.4	1.9	.5	.3								4.1	5.1
SSW	1.8	2.6	1.2	.1								5.7	5.0
SW	1.4	3.0	.6	.0								5.0	4.7
WSW	1.8	3.2	.9	.1								6.0	4.8
W	1.5	3.5	2.2	.7	.1							7.9	5.3
WNW	1.7	2.3	1.1	.1								5.2	4.9
NW	1.5	1.1	.5	.1								3.4	4.4
NNW	.9	.6	.0									1.8	3.5
VARBL	1.8	.8	.3	.0								2.5	3.7
CALM												50.1	
	20.8	31.6	14.7	2.7	.1							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 2730

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

84197 STA 10H BAD TOLZ GERMANY AAF STATION NAME 64-70 YEARS MONTH LL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.6	.0									1.4	3.5
NNE	.6	.7										1.4	3.5
NE	1.6	2.0	.7	.0								4.3	4.6
ENE	1.6	3.7	2.1	.2								7.4	5.4
E	1.7	2.8	2.0	.6								7.1	4.7
ESE	.7	.2	.0	.0								1.9	3.6
SE	.4	.1										.5	2.7
SSE	.5	.1		.0								.6	3.2
S	1.6	1.9	.5	.2								4.2	4.0
SSW	1.9	3.1	1.6	.6								7.2	5.0
SW	1.8	4.0	1.2	.0								7.0	5.0
WSW	1.9	3.3	2.4	.1	.0							7.0	5.4
W	1.5	2.8	2.0	.8	.0							7.2	5.3
WNW	1.5	2.4	.6	.2								4.7	4.0
NW	.8	.6	.2	.0								1.6	4.1
NNW	.6	.8		.1								1.5	4.1
VARBL	2.4	.5	.6	.0								3.5	3.5
CALM												31.3	
	21.9	29.8	14.0	2.9	.1							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 2935

6
1

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

MONTH

ALL WEATHER
CLASS

LL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2										.7	3.2
NNE	.5	.5	.1									1.1	4.1
NE	.6	1.4	.5									2.5	5.1
ENE	1.2	4.0	2.5	.6								8.3	4.1
E	2.0	2.7	2.4	.9								7.9	4.1
ESE	.9	.3	.3	.1								1.6	4.4
SE	.4	.1	.0									.5	2.6
SSE	.6	.3										.9	3.2
S	1.6	1.5	.7	.7	.1	.0						4.7	5.4
SSW	1.7	2.9	2.2	.8	.2	.0						7.8	6.7
SW	1.6	2.8	1.4	.1								7.9	5.3
WSW	1.3	2.5	1.9	.6	.1							6.4	6.4
W	2.0	4.2	4.7	1.5	.2							12.4	7.1
WNW	1.1	2.4	1.1	.2								4.8	5.6
NW	.8	.8	.2	.0								1.7	4.2
NNW	.3	.2										.5	3.3
VARBL	1.6	.2	.2	.1	.1							2.2	4.5
CAIM												28.9	
	18.4	28.0	18.2	5.5	.5	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 3744

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24197 STATION NAME BAD TOLZ GERMANY AAF YEARS 64-70

CLASS ALL WEATHER

CONDITION _____

MONTH UL
HOURS (LST) _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.2	2.0
NNE	.4	.2	.0									.7	3.0
NE	.8	1.1	.1									2.1	3.7
ENE	2.1	3.5	1.0	.0								4.4	4.0
E	1.7	2.5	1.5	.0								5.7	4.1
ESE	.4	.1										.2	2.7
SE	.3	.1										.4	2.7
SSE	.3	.1										.4	2.7
S	1.3	1.1	.6	.3	.0							3.3	3.8
SSW	2.2	3.5	2.3	.6								8.9	5.7
SW	1.6	3.4	2.4	.6								9.0	5.7
WSW	1.8	4.6	3.8	.5	.1							10.8	5.3
W	1.5	4.5	6.7	2.7	.1	.1						13.7	7.9
WNW	.8	1.6	.9	.2								3.5	5.7
NW	.5	.5	.3	.0								1.3	4.0
NNW	.4	.0										.4	2.3
VARBL	1.1	.3	.1									1.4	3.2
CALM												29.4	
	17.7	27.5	19.9	5.0	.2	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 2975

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

69
YEARS

NORTH

ALL WEATHER
CLASS

2.5
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW		100.0										100.0	4.5
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
		100.0										100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION 8AB TOLZ GERMANY AAF 66-70 YEAR MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.4											.4	2.0
NE	.9	.9										.9	2.0
ENE	.9	1.8										2.7	2.7
E	2.7	.9	1.3									4.9	4.5
ESE	.4	1.3										1.8	4.0
SE	.9	.4										1.3	3.0
SSE	.4											.4	2.0
S	1.8	1.8										2.5	3.5
SSW	.9	3.1	3.1	.9								8.0	4.7
SW	1.3	5.3	4.0									11.6	6.1
WSW	4.0	7.1	1.3									12.4	4.3
W	1.3	6.0	7.1	3.1								18.1	7.4
WNW	.4	.9	1.8									3.1	4.1
NW	.4		1.3									.9	4.5
NNW			1.3									1.3	3.2
VARBL	.4											.4	2.0
CALM												29.2	
	16.4	30.1	20.4	4.0								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 226

DATA PROCESSING DIVISION
ETAC/INAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF 65-70 YEARS NORTH
ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.7										.7	3.3
ENE	1.1	2.8	.7									4.3	5.1
E	1.1	.4	.4									2.1	4.3
ESE	.2	.7										.5	4.3
SE	1.6											1.4	2.7
SSE	.2											.2	2.7
S	3.1	1.1	.2	.2								4.7	3.6
SSW	3.4	4.3	2.2	.2								10.1	5.7
SW	1.8	4.0	2.7	.7								9.2	5.7
WSW	1.6	3.1	3.1	.7								10.3	5.9
W	2.2	4.0	3.6	1.3	.7							13.9	7.3
WNW	.2	.7	.9	.4								2.2	7.4
NW		.4	.2									.7	5.7
NNW	.4	.7	.2									1.3	5.7
VAxBL	.4	.4										.9	3.5
CALM												36.9	
	17.4	25.1	16.3	3.6	.7							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 447

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 BAB TOLZ GERMANY AAF

YEARS 65-70

MONTH

ALL WEATHER

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.4										.4	4.0
NE	.2	.6										.8	3.3
ENE	1.9	1.2	.2									2.1	4.5
E	1.6	.8	1.0									4.4	4.4
ESE	.2	.2										2.2	4.4
SE												.4	3.5
SSE	.2												
S	1.2	.6	.4									.2	3.0
SSW	1.0	2.7	1.6	.2								2.1	3.7
SW	1.7	3.1	1.9		.2							5.6	5.8
WSW	3.1	3.1	3.9	.4								7.0	5.6
W	.8	5.4	4.8	2.1	.4							10.5	5.7
WNW	1.0	2.3	1.2	.8								13.6	7.9
NW	.2	.2	.2									5.4	6.5
NNW	.4	.8										.6	5.3
VARBL	1.9											1.2	3.7
CALM												42.6	2.4
	15.3	21.9	16.1	3.5	.6							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

514

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION 8AB TOLZ GERMANY AAF

65-70

YEARS

NORTH

ALL WEATHER

12 - 14
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	3.0
NNE	.2		.2									.2	3.3
NE	.2	.8										.2	4.4
ENE	2.0	3.0	1.8									6.2	5.4
E	2.2	2.4	2.2	.4								7.2	5.7
ESE	1.2	.2										1.4	2.7
SE	.2											.2	2.0
SSE													
S		.2										.2	4.0
SSW		1.8	.4									2.2	4.0
SW	1.0	3.0	.8	.2								6.2	4.9
WSW	2.4	3.4	2.2	.8	.2							8.2	6.0
W	2.0	4.4	7.4	2.4								16.2	7.5
WNW	2.2	3.6	2.0	.6								8.4	5.6
NW	1.2	1.2	.4	.4								3.2	5.6
NNW	.2	.4	.2									.8	5.0
VARBL	.4											.4	2.0
CALM												35.4	
	14.0	24.4	17.4	4.6	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

500

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION SAB TOLZ GERMANY AAF STATION NAME 6570 YEARS 1966-1970 MONTH 12
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.8										1.4	2.7
NNE	1.2	.8										2.0	2.2
NE	.6	1.8										2.4	4.2
ENE	1.4	3.9	3.0	.4								8.7	5.6
E	1.0	4.3	3.5	.8								9.4	6.5
ESE	.2	.2										.4	4.8
SE													
SSE	.4											.4	2.1
S	.4	.2										.6	2.2
SSW	.6	2.8										3.4	4.3
SW	.8	1.4	.2									2.4	4.4
WSW	1.4	4.3	1.8	1.0								8.5	6.0
W	2.2	7.1	6.8	2.2								18.1	5.9
WNW	2.0	2.0	1.8	1.2								6.5	4.5
NW	.8	1.0	.2									2.0	3.9
NNW	.6	.6	1.0	.4								2.4	7.0
VARBL	.4											2.4	2.5
CALM												29.9	
	14.8	31.3	17.9	6.1								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 492

DATA PROCESSING DIVISION
 STAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 NAME RAB TOLZ GERMANY AAF YEARS 66-70 MONTH 1-12
 ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.3										1.4	3.2
NNE													
NE	.6	1.1										1.7	3.3
ENE	1.1	3.1	1.7									5.9	5.1
E	2.5	2.8	2.0	.3								7.5	5.1
ESE	.3											.3	3.1
SE	.6											.6	2.3
SSE	.6											.6	2.3
S	2.2	1.4	.3									3.9	3.4
SSW	1.7	3.6	.3									5.6	4.1
SW	1.7	5.9										7.5	4.2
WSW	2.8	5.3	2.8	1.1	.6							12.6	5.3
W	.8	7.0	6.1	2.0	.3							14.2	7.4
WNW	.3	.6	1.4									2.2	7.1
NW		.3										.3	6.1
NNW		.6	1.1	.6								2.2	9.3
VARBL													
CALM												31.6	
	16.2	31.8	15.6	3.9	.8							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 250

DATA PROCESSING DIVISION
 BTAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 84197 848 TOLZ GERMANY AAF STATION NAME 67-68 YEARS 1960-1961 MONTH 2100-2300
 CLASS ALL WEATHER HOURS (LST) 2100-2300
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW	16.7	33.3										50.0	6.7
WSW			16.7									16.7	7.0
W												16.7	7.0
WNW		16.7										16.7	6.7
NW												16.7	6.7
NNW													
VARBL													
CALM												16.7	
	16.7	80.0	16.7									100.0	3.3

TOTAL NUMBER OF OBSERVATIONS 5

DATA PROCESSING DIVISION
 ETAC/USAF
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34107 BAR TOLZ GERMANY AAF 67 FEV
 STATION NAME MONTH
ALL WEATHER 0000-0200
 CLASS HOURS (L & T)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		16.7	16.7									33.3	6.5
SW		33.3	16.7									50.0	6.7
WSW		16.7										16.7	6.0
W													
WNW													
WV													
NNW													
VARBL													
CALM												0.0	
		66.7	33.3									100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAR TOLZ GERMANY AAF YEARS 66-70 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 0300-0500
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4		.4									.8	4.5
NNE	1.2											1.2	2.7
NE		1.2	.8									2.1	6.3
ENE	1.6	.8										2.5	3.3
E	1.6	.4	.8	.8								3.7	6.3
ESE	.8											.8	2.1
SE	.8											.8	2.1
SSE	.4											.4	2.1
S	1.6	2.5		.8								4.9	5.2
SSW	2.1	4.5	4.5	1.2								12.3	6.7
SW	1.6	4.9	4.9	.8								12.3	6.7
WSW	4.1	5.8	1.6	1.2								12.3	5.1
W	2.9	5.3	2.5	2.3	.4							14.4	7.4
WNW	.4	1.6	.4									2.5	4.5
NW													
NNW													
VARBL	.8											.8	2.1
CALM												27.6	
	20.6	27.2	16.0	8.2	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 243

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36197
STATION

BAR TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

05
MONTH

ALL WEATHER
CLASS

0600-0300
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	5.7
NNE		.7	.2									.9	5.5
NE	.3	.3	.5									1.4	5.7
ENE	1.6	1.4	.7									3.7	4.7
E	1.2	.9	1.2									3.3	6.7
ESE	.9	.3										1.4	3.2
SE	.2	.2										.5	3.7
SSE	.3	.2										.7	3.3
S	2.3	2.3	.2	1.2								6.7	5.6
SSW	1.2	.3	3.3	1.2	.2							11.4	6.7
SW	1.6	2.6	3.3	.2								8.1	5.2
WSW	1.2	3.7	3.7	.3	.7	.2						10.7	7.2
W	1.4	4.9	3.7	2.1	.9	.2						13.3	6.2
WNW	1.2	.9										2.1	3.4
NW		.7										.7	4.7
NNW	.2	.2										.5	3.5
VARBL	.9											.9	1.7
CALM												34.7	
	15.1	25.8	17.0	5.1	1.9	.2						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

437

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36197 BAD TOLZ GERMANY AAF

69-70

ALL WEATHER

9-11

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	56	%	MEAN WIND SPEED
N		.9		.2								1.1	2.4
NNE	.4	.4										.9	3.0
NE	.2	.2	.4									.9	3.0
ENE	1.1	1.9	1.1	.6								4.9	4.4
E	.9	.4	1.5	.2								3.0	4.0
ESE	.4											.4	2.5
SE													
SSE	.4	.6										1.1	3.0
S	1.1	.9	1.1	.9								3.0	7.2
SSW	1.5	3.4	3.0	1.7	.2							9.9	7.6
SW	1.7	3.4	1.3									6.0	5.1
WSW	.9	4.9	2.2	1.7	.9		.2					10.0	4.6
W	2.2	6.2	3.0	2.2	.4							14.0	7.0
WNW	.4	2.6	1.3	.2	.2							4.7	6.9
NW	1.3	.6	.2									2.2	3.9
NNW	.2	.4										.6	2.3
VARBL	.2	.4										.6	4.0
CALM												34.0	
	12.9	27.5	15.1	7.7	1.7		.2					100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 465

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24197 BAD TOLZ GERMANY AAF

65-70

12

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

12 -14

CLASS

HOURLY (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4										1.2	2.0
NNE	.2	.6										.9	2.0
NE	.4	1.9	.2									2.4	4.4
ENE	1.9	3.0	2.6	.2								7.3	5.7
E	1.9	2.8	4.1	1.1								10.9	6.9
ESE		.4	.2									.4	5.7
SE		.2										.2	4.1
SSE	.2											.2	2.0
S	.4	.4	.9	.6	.2							2.6	6.3
SSW	.4	1.3	2.4	.6	.2							3.0	6.3
SW	.6	3.9	1.3	.2								6.1	5.0
WSW	1.1	2.8	3.9	.9								8.7	7.2
W	.9	8.0	3.2	1.9	.4							16.5	7.4
WNW	2.2	4.1	2.6	.2								9.1	5.4
NW	.9	1.7										2.6	3.0
NNW	.4	.6										.9	3.2
VARBL	.2											.2	3.1
CALM												24.9	
	12.8	32.3	23.4	5.8	.9							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

462

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

15-17
HOURS (L.S.T.)

CONDITION

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.7	3.1
NNE	.2	.4										.7	4.1
NE	.2	1.1										1.3	4.2
ENE	2.2	5.6	3.0	1.1								11.0	5.9
E	.9	3.5	6.1	1.1								11.8	7.4
ESE		.2										.2	5.0
SE													
SSE													
S	.4	.2	.4	1.1								2.1	3.7
SSW	.9	.9	2.0	.9	.4							5.1	3.7
SW	2.0	2.6	2.0	.4								6.5	3.7
WSW	1.1	3.9	2.4	.2								7.6	6.5
W	2.2	6.5	4.6	2.6		.2						16.1	7.2
WNW	1.3	3.3	2.0	.9								7.4	6.3
NW	1.7	2.6	.9									5.2	4.5
NNW	.4		.2	.2								.5	6.5
VARBL	1.3	.2										1.5	3.4
CALM												20.4	
	15.2	31.9	23.4	8.5	.4	.2						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 461

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24197 BAD TOLZ GERMANY AAF

66-70

MONTH

ALL WEATHER

10-20
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	11-56	%	MEAN WIND SPEED
N	.6		.3									.3	4.2
NNE		.3										.3	4.2
NE	.6											.4	2.5
ENE	1.1	2.2	1.1	.3								4.7	5.5
E	2.2	5.9	2.8	.6								11.3	5.5
ESE	.6	.6										1.1	3.5
SE													
SSE	.8	.3										1.1	3.3
S	1.4	.6	1.1	1.1								4.2	7.3
SSW	2.2	3.6	2.5	1.1								9.5	6.3
SW	2.8	4.5	3.1									10.3	5.1
WSW	1.4	3.9	2.2	.6								8.1	6.0
W	.6	5.6	2.2	.3	1.4							10.1	7.4
WNW	1.1	1.4	1.1		.8							4.5	7.5
NW	.8	.3										1.1	3.0
NNW	1.1											1.1	2.3
VARBL	1.1											1.1	2.3
CALM												29.9	
	18.4	29.1	16.5	3.9	2.2							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

352

DATA PROCESSING DIVISION
 WTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65,67
YEARS

MONTH

ALL WEATHER
CLASS

21 0-23
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E			16,7	33,3								50,0	11,0
ESE													
SE													
SSE													
S													
SSW													
SW		33,3	16,7									50,0	6,3
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
		33,3	33,3	33,3								100,0	3,7

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAB TOLZ GERMANY AAF YEARS 66-70 MONTH 0-12
CLASS ALL WEATHER HOURS (LST) 0-24
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4										1.4	4.0
NNE													
NE													
ENE	1.1	1.8	.7									3.6	5.0
E	2.9	2.5	3.6									9.0	8.5
ESE	.4	.7										1.1	3.2
SE	1.1											1.1	2.3
SSE	.7	.7										1.4	3.3
S	3.6	1.1	.4		.4							5.4	4.2
SSW	2.9	3.8	1.8	.7								11.2	5.5
SW	2.2	3.4	3.1	.4								13.1	4.1
WSW	1.8	3.6	3.6	.4								9.4	5.9
W	1.8	3.4	3.4	2.5								15.2	7.5
WNW	.7	.7	1.4									2.5	5.0
NW	.7	.4										1.1	2.7
NNW		.4										.4	4.0
VARBL													
CALM												23.4	
	19.9	30.1	22.1	4.0	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 274

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5										.7	4.3
NNE	.4	.2										.7	3.7
NE	.4	.5										.7	4.1
ENE	1.1	1.3	.7	.2								3.2	5.2
E	1.6	2.2	2.2	.4								4.3	5.9
ESE	.5	.7	.2									1.4	4.5
SE	.2											.2	2.1
SSE	.5	.2	.2									.9	3.4
S	1.4	2.2	.2	.2	.2							4.1	4.1
SSW	2.2	6.5	2.7	.7								12.1	5.9
SW	.7	5.0	2.7	.7								9.1	5.4
WSW	2.0	6.1	3.8	.7								12.1	5.1
W	1.1	3.8	7.2	4.8	.2							17.1	5.0
WNW	1.3	1.4	.5									3.2	4.4
NW	.7	.2	.2									1.1	4.1
NNW	.2		.2									.4	4.5
VARBL													
CALM												25.7	
	14.3	30.6	20.6	7.7	.4							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

550

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF 65-70 YEARS MONTH 19-11 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.4										1.4	3.1
NNE		.2										.2	4.1
NE	.2	.7	.2									1.1	5.3
ENE	.7	2.7	2.0	.7								4.1	5.1
E	1.4	2.2	2.5	.9								7.0	6.3
ESE	.5	.2										.7	3.3
SE													
SSE													
S	.5	.7	.4	.4								2.0	6.6
SSW	1.1	2.5	2.0	1.1								4.6	7.1
SW	1.6	3.9	2.5	.2								8.2	5.9
WSW	2.3	4.5	3.2	.9								11.9	6.2
W	.5	5.2	7.2	3.4	1.1							17.4	9.1
WNW	.7	2.9	1.4	.5								5.4	6.1
NW	.9	1.6	.2									2.7	4.5
NNW	.4	.5	.2	.2								1.3	5.2
VARBL	.5	.5										1.1	3.1
CALM												27.1	
	12.5	28.7	21.7	8.2	1.1							100.1	4.9

TOTAL NUMBER OF OBSERVATIONS 550

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24197 NAME BAB TOLZ GERMANY AAF YEARS 65-70 MONTH 7-14
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3										1.4	2.1
NNE	.7	.5	.2									1.4	4.4
NE	1.6	2.0	.9									4.5	5.1
ENE	.7	4.8	2.9	1.8								1.2	7.1
E	.7	3.0	3.2	1.1								.1	7.2
ESE													
SE	.2	.2										.4	3.1
SSE	.2											.2	3.1
S	.5		.2	.5								1.2	2.4
SSW	1.1	1.3	1.4	.2								3.1	3.1
SW	.4	2.9	2.3									5.4	6.2
WSW	.9	3.0	4.1	.9								9.1	7.1
W	1.4	4.5	9.1	4.5	1.3	.5						21.2	9.4
WNW	.7	4.1	4.1	.7								9.2	7.1
NW	1.3	3.0	1.4	.4	.2							6.2	5.5
NNW	.7	1.4	.4									2.5	4.5
VARBL	.4	.2										.5	2.3
CALM												13.4	
	12.0	32.3	30.3	10.0	1.4	.5						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 551

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF

65-70 YEARS

ALL WEATHER CLASS

MONTH 1-12
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	1.4										3.0	2.4
NNE	.9	1.3	.4									2.8	4.5
NE	.5	3.9	.7									5.0	5.0
ENE	.9	3.2	4.7	.5								11.0	4.7
E	1.1	2.7	6.3	.3								17.0	7.1
ESE		.2										.2	4.0
SE		.2										.2	4.0
SSE													
S	.7	.2	.9	.9								2.7	2.5
SSW	.2	1.8	2.0	.2								4.1	4.7
SW	.9	2.3	.9									4.1	5.4
WSW	.7	2.2	3.6	1.4	.2							8.1	4.0
W	2.0	4.3	9.0	5.0	.9							21.0	9.0
WNW	.9	1.6	3.4	.9								6.0	7.2
NW	2.2	3.0	2.2	.2								7.0	5.0
NNW	.9	.4	.2									1.4	4.0
VARBL	1.4	.4										1.0	2.9
CALM												9.1	
	14.9	31.2	34.1	9.7	1.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

35

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MON. 1

ALL WEATHER
CLASS

2
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.4										1.3	3.1
NNE	.4	.2										.6	2.1
N E	1.7	1.3	.2									3.2	4.3
ENE	1.7	6.0	2.2									9.9	5.2
E	2.6	4.7	3.2	.2								10.7	5.2
ESE	.6											.6	2.1
SE													
SSE													
S													
SSW	1.9	4.3	1.7									7.9	5.2
SW	1.1	4.9	1.5	.4								8.9	5.2
WSW	2.2	3.4	2.6	1.5	.2							10.9	5.7
W	1.7	3.4	6.7	4.3	.4							16.5	7.4
WNW	.9	1.5	2.6	.2	.2							5.4	7.2
NW	1.3	1.1	.2	.2								2.8	4.2
NNW	.6	.4										1.1	3.1
VARBL	.9	.2										1.1	2.1
CALM												20.9	
	18.5	32.0	20.9	6.9	.9							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

405

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 04197 STATION NAME BAD TOLZ GERMANY AAF YEAR 68 MONTH 01 - 22 HOURS (LST)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW	100.0											100.	2.
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	100.0											100.	2.

TOTAL NUMBER OF OBSERVATIONS

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

26197 STATION BAD TOLZ GERMANY AAF 66,68 YEARS MONTH HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	1.7											1.7	2.0
E													
ESE													
SE	1.7											1.7	2.0
SSE		1.7										1.7	2.0
S	1.7											1.7	2.0
SSW	6.8	6.8	1.7									15.3	4.0
SW	3.4	5.1	3.4									11.9	3.4
WSW	1.7	8.5	3.4									13.6	3.4
W		1.7	1.7	1.7								5.1	1.7
WNW	1.7	1.7	1.7									5.1	3.2
NW	1.7		1.7									3.4	5.0
NNW													
VARBL	1.7											1.7	2.0
CALM												37.2	
	22.0	25.4	13.6	1.7								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 50

1 DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

66-70
YEARS

MONTH
3 - 1966
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8										.4	4.1
NNE													
NE		.4										.4	4.1
ENE		1.2										1.2	5.1
E	.6	2.8	.4									4.0	5.1
ESE		.8										.8	4.1
SE													
SSE	.4											.4	2.1
S	3.6	4.8										8.4	3.7
SSW	3.6	5.6	.8	.8								10.8	4.7
SW	1.2	6.0	3.2									10.4	5.2
WSW	2.8	6.4	3.6	.4								13.2	5.7
W	.8	5.2	3.2	1.2								10.4	7.1
WNW	2.0	1.2	.4									3.6	3.7
NW	1.2											1.2	2.3
NNW	.4	.8	.4									1.6	5.1
VARBL													
CALM												32.0	
	16.8	36.0	12.0	2.4								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 23

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 3AB TOLZ GERMANY AAF

65-70

ALL WEATHER

6 MONTHS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.2									.3	1.3
NNE													
NE		.7	.2									.3	5.4
ENE	.4	.9	.4									1.7	5.4
E	.6	2.2	.9									2.7	5.4
ESE	1.1	.4										1.5	2.0
SE	.6											.4	2.0
SSE	.2											.2	3.0
S	2.4	2.8	.7									5.8	4.7
SSW	3.2	4.7	2.4	.2								12.4	5.1
SW	1.9	8.2	2.8	.4								13.2	5.4
WSW	1.9	6.9	2.4	.6								11.7	5.4
W	1.9	5.0	4.1	.9	.2							12.1	5.7
WNW	1.3	1.7	1.3		.2							4.5	5.4
NW	.7	.2	.2									1.1	3.0
NNW	.2	.2	.2									.4	4.7
VARBL	.2		.2									.4	5.5
CALM												30.0	
	16.6	34.1	16.0	2.0	.4							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 STATION BAB TOLZ GERMANY AAF 65-70 YEARS MONTH 9-11 HOURS (LST)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.5	2.4
NNF	.4	.2	.2									.7	4.2
NE	.6	1.7	.7	.2								3.2	5.7
ENE	1.1	2.8	1.7	.4								4.5	4.3
E	.9	2.2	2.4	.4								4.5	5.5
ESE		.4										.4	5.1
SE													
SSE		.4										.4	4.7
S	.4	1.1	.4	.2								2.7	5.7
SSW	.4	2.4	2.0	.9								5.5	7.3
SW	.4	2.8	2.2									4.4	6.1
WSW	1.3	4.3	3.0	.7								9.3	4.2
W	2.8	6.1	6.7	1.7	.4							17.7	7.2
WNW	1.3	6.1	3.0	1.3								11.7	4.4
NW	1.7	1.3	1.3	.4								4.7	5.4
NNW	1.1	.4	.4									1.9	3.2
VARBL	.4	.4										.7	2.5
CALM												22.7	
	13.4	33.3	24.0	6.1	.4							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION
STAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

NORTH

ALL WEATHER
CLASS

12°-14°
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.1										2.1	3.4
NNE	.4	.7	.4									1.5	3.5
NE	.6	2.0	.7									3.4	4.2
ENE	1.3	6.0	4.5	1.1								12.5	4.7
E	.9	2.6	4.5	1.1								9.4	7.2
ESE		.4	.2	.2								.7	7.2
SE	.2	.2		.2								.1	7.3
SSE	.2			.2								.4	7.4
S	.4	.7	.4									1.5	7.5
SSW	.4	1.9	2.0	.6								4.0	7.6
SW	.2	1.3	2.2									3.7	7.7
WSW	1.3	3.2	1.7	.6								6.7	5.2
W	1.1	3.5	8.8	3.9	.2							17.4	5.5
WNW	1.9	6.3	4.3	1.9	.2							14.4	7.1
NW	1.5	2.4	1.7	.2								5.4	5.3
NNW	1.1	1.1	.2									2.4	4.2
VARBL	.4	.2		.2	.2							.6	4.2
CALM												11.4	
	12.7	33.7	31.5	10.1	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 327

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

10-17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.7										1.3	7.7
NNE	.2	1.7	.4									2.3	4.3
NE	.2	2.4	2.4	.2								5.2	5.5
ENE	1.3	3.2	6.0	2.1								12.3	7.4
E	.6	3.6	5.4	1.1								11.7	7.4
ESE	.2	.2	.4									.7	7.7
SE			.4									.4	7.5
SSE				.2								.2	12.7
S		.6	.6									1.1	4.2
SSW	.6	2.1	2.2	.6								5.4	7.7
SW	.7	2.4	1.9	.4								5.4	6.7
WSW	.6	3.4	2.1	.6								4.4	6.7
W	2.2	5.4	6.2	2.8	.4	.2						17.2	7.7
WNW	1.5	2.4	5.2	1.5								10.7	7.3
NW	1.3	2.4	1.5		.2							5.4	5.7
NNW		2.2	.2									2.4	5.3
VARBL	.2	.6		.7								1.5	9.1
CALM												10.9	
	10.1	33.3	34.8	10.1	.6	.2						100.7	6.3

TOTAL NUMBER OF OBSERVATIONS

534

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 BAB TOIZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1-2
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.4										1.1	2.4
NNE	.6	.4										1.1	3.4
NE	.2	1.0	.4									1.6	5.4
ENE	1.2	5.2	4.1	.2								11.7	6.3
E	1.9	7.6	4.9	.4								14.8	8.9
ESE	.6		.2	.2								1.0	4.6
SE	.4	.2										.6	3.0
SSE		.2										.2	4.0
S	.2	1.4	.2									1.8	5.0
SSW	1.2	3.1	1.4	.4								6.1	8.5
SW	1.4	2.9	2.1	.2								6.6	8.4
WSW	1.4	4.5	2.7									8.7	8.7
W	2.1	4.9	5.2	1.9	.6							14.6	7.4
WNW	1.2	2.5	2.1	.6								6.4	6.1
NW	1.9	2.3	.4									4.6	6.0
NNW	.8		.2		.2							1.2	6.5
VARBL	.2	.2										1.4	4.0
CALM												18.4	
	16.1	36.9	23.9	3.9	.8							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

485

1 DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF STATION NAME 66-68 YEARS MONTH 21-22 HOURS (LST) ALL WEATHER CLASS CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.9											.1	2.1
ENE		.9										.1	4.1
E	.9	4.7	.9									4.1	4.1
ESE													
SE	.9	.9										1.1	2.1
SSE	.9	.9										1.1	3.1
S	2.8	2.8										2.1	2.1
SSW	2.8	10.4	1.9									15.1	5.1
SW		7.5										7.1	5.1
WSW	.9	5.7	2.8									9.4	5.1
W	1.9	2.8	.9									5.1	5.1
WNW													
NW	3.8											3.1	2.1
NNW		.9										.1	4.1
VARBL													
CALM												39.1	
	16.0	27.7	6.6									100.1	2.1

TOTAL NUMBER OF OBSERVATIONS 1 A

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

66-68
YEARS

MONTH

ALL WEATHER
CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E		2.6										2.6	2.6
ESE													
SE													
SSE													
S	2.6	5.1										7.7	4.0
SSW	2.6	5.1										7.7	3.7
SW	5.1	7.7										12.4	4.2
WSW		7.7										7.7	4.0
W	5.1	5.1	2.6									12.4	4.0
WNW	2.6	2.6										5.1	4.0
NW													
NNW													
VARBL													
CALM												43.5	
	17.9	35.9	2.6									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 39

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-69
YEARS

MONTH
3-6
HOURS (L & T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5										.5	4.0
NNE													
NE													
ENE		1.5										1.5	4.7
E	.5		.5									1.0	4.2
ESE	1.5	.5										2.0	3.0
SE	.5											.5	3.0
SSE													
S	5.0	1.5										6.5	2.0
SSW	4.0	6.0	4.5									14.5	5.1
SW	3.5	7.0	1.5									12.0	4.8
WSW	4.0	6.5	1.0									11.5	4.3
W	2.0	2.5	1.5	.5								6.5	3.5
WNW	.5	.5										1.0	3.5
NW		1.0										1.0	3.0
NNW	1.0											1.0	2.0
VARBL	.5											.5	2.0
CALM												39.7	
	23.1	27.6	9.0	.5								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 199

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAD TOLZ GERMANY AAF YEARS 65-70 MONTH Y
CLASS ALL WEATHER HOURS (LST) 6-18
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.2								.2	1.2
NNE	.4											.4	2.0
NE	.2											.2	2.0
ENE	.9	.4	.6									1.9	2.1
E	.4	1.3	.9									2.6	2.0
ESE	.7											.7	2.0
SE	.4											.4	2.0
SSE		.2										.2	4.0
S	2.2	2.0	.4	.6								5.2	3.0
SSW	2.6	7.4	1.7	.6								12.3	3.0
SW	2.8	5.4	1.3									9.5	4.7
WSW	2.0	6.3	2.0									10.3	5.2
W	1.7	6.0	4.3	.6								12.6	4.4
WNW	.9	2.0	1.5	.2								4.7	6.0
NW	.7	.4	.2									1.3	2.4
NNW	.2											.2	2.0
VARBL	.4	.4										.8	2.0
CALM												36.3	
	16.6	32.0	12.8	2.0								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 527

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/4AC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

ALL WEATHER
CLASS

CONDITION

MONTH
01-12
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.1										2.4	3.4
NNE	.6	.4	.6									1.5	3.1
NE	1.1	1.1	1.3									3.4	4.4
ENE	.7	3.0	2.4									4.1	5.4
E	.6	3.0	2.6	1.7								7.1	7.4
ESE	.6	.2	.4									1.1	4.4
SE	.2											.2	3.4
SSE	.2											.2	3.4
S	.2	.9	.6									1.7	6.2
SSW	.9	1.3	3.5	.6								6.3	7.4
SW	1.3	3.0	.9									3.2	4.4
WSW	1.1	3.7	2.4	.4								7.4	.2
W	2.0	4.5	7.6	1.1								13.3	7.4
WNW	1.1	5.2	3.5	.2								10.1	4.4
NW	1.3	2.4	1.1									4.5	5.2
NNW	.9	1.7	.4									3.4	4.4
VARBL	1.5	1.3										2.2	3.4
CALM												20.3	
	15.6	32.8	27.4	3.9								100.4	4.2

TOTAL NUMBER OF OBSERVATIONS

537

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE, IAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 BAB TOLZ GERMANY AAF

55-70

ALL WEATHER

12-14
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.1	.9									2.5	2.5
NNE	1.1	.9	.4									2.5	4.5
NE	.6	2.1	1.3									4.2	5.5
ENE	1.3	3.8	7.0	.8								12.0	7.2
E	.2	2.7	7.8	2.3								12.0	3.6
ESE		.6		.2								.5	7.3
SE	.2	.2	.2									.4	5.0
SSE	.4	.2										.4	3.0
S	1.1	.6	.9	.6								3.2	4.5
SSW	.2	.9	1.1	.2								2.5	7.0
SW	1.1	1.3	1.3									3.5	3.0
WSW	.8	2.3	3.4	.6	.2							7.2	7.2
W	2.1	4.2	5.3	.8								12.2	6.0
WNW	1.3	4.2	3.2	.6								9.5	4.4
NW	1.1	2.8	1.3	.4								5.7	5.0
NNW	.6	1.9	.2									2.7	4.4
VARBL	1.3	.4	.2	.4								2.7	4.0
CALM												12.7	
	14.6	31.1	34.7	6.6	.2							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

527

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1-17
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.6										1.0	2.1
NNE	.6	1.2	.6									2.2	2.7
NE	.8	1.9	1.5									4.2	3.7
ENE	.6	4.0	7.5	2.5	.2							14.0	1.2
E	.2	3.6	7.5	2.3								13.6	2.4
ESE	.2	.2	.4									.8	2.5
SE		.4	.2									.6	2.2
SSE			.2									.2	1.0
S	.2	1.2	.8	.4								2.6	7.8
SSW	.2	2.9	2.9	.6								6.6	7.3
SW	.8	2.9	1.2									4.9	2.2
WSW	1.2	2.5	1.7	.4	.2							6.0	2.6
W	2.1	2.7	1.8	1.0	.2							11.7	7.2
WNW	1.5	5.0	1.5	.6	.2							10.7	4.5
NW	.8	2.5	1.3	.2								4.3	5.7
NNW	.4	1.0	.6									1.6	2.4
VARBL	1.2	1.0	.2	.2								2.7	4.4
CAI%												10.4	
	11.7	22.4	35.7	8.1	.8							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

521

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 36197 STATION NAME BAZ TOLZ GERMANY AAF YEARS 65-70 MONTH 1
CLASS ALL WEATHER HOURS (LST) -2
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3										.5	4.1
NNE	.3	1.3										1.5	4.2
NE	.3	2.0										2.3	4.1
ENE	1.5	8.1	6.6	.3								16.5	5.4
E	1.5	8.4	7.9	.8								18.6	6.5
ESE		.5	.3									.8	4.1
SE	.3	.5										.8	4.1
SSE	.3	.3										.6	3.5
S	.8	.8	.5	.3								2.2	4.1
SSW	1.5	3.8	1.8	.5								7.4	5.1
SW	1.5	4.3	2.0									7.4	5.1
WSW	.8	4.1	2.3									7.2	5.1
W	1.5	2.8	2.6	1.5	.3							9.7	7.1
WNW	1.3	2.0	2.5	.5								7.1	6.2
NW	1.5	.8	.3									2.5	3.4
NNW	.5	.5	.5									1.5	4.5
VARBL	1.3	.8										2.1	3.1
CALM												12.1	
	14.5	41.2	28.1	2.8	.2							100.1	5.3

TOTAL NUMBER OF OBSERVATIONS 392

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

66-66
YEARS

Y
MONTH

ALL WEATHER
CLASS

21-23
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	1.7											1.7	2.0
NE													
ENE		1.7	1.7									3.3	4.0
E	5.0	3.3										3.3	3.6
ESE													
SE		1.7										1.7	4.0
SSE													
S	1.7											1.7	2.0
SSW	5.0	6.7	1.7	1.7								15.0	4.6
SW	3.3	5.0										8.3	4.4
WSW		6.7	1.7									8.3	3.0
W	3.3	6.7										10.0	2.7
WNW	1.7											1.7	2.0
NW	1.7											1.7	2.0
NNW	1.7											1.7	2.0
VARBL													
CALM												36.7	
	25.0	31.7	5.0	1.7								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

50

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

67-69
YEARS

MONTH

ALL WEATHER
CLASS

HOURLS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S		11.1										11.1	7.0
SSW	22.2	11.1										33.3	2.0
SW		22.2										22.2	5.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												33.3	
	22.2	44.4										100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 9

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 STATION NAME BAD TOLZ GERMANY AAF YEARS 55-69 MONTH 5

CLASS ALL WEATHER

CONDITION _____

HOURS (LST) 15

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.5											.5	2.0
ENE													
E	.5		1.0									1.5	3.0
ESE	.5											.5	2.0
SE													
SSE	.5											.5	3.0
S	4.4	3.9										8.3	3.5
SSW	8.3	6.8	.5									15.6	3.0
SW	3.9	6.8										10.7	4.0
WSW	3.4	4.4	1.9	1.0								10.7	4.0
W	1.0	2.9	2.4	1.0								7.3	3.7
WNW	.5	1.5										1.5	3.0
NW													
NNW													
VARBL	.5	.5										1.0	4.0
CALM												41.7	
	23.8	26.7	5.8	1.9								100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 200

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 BAB TDLZ GERMANY AAF YEAR 65-70 MONTH 6
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8											.7	2.2
NNE	.4											.4	2.2
NE	.6	.4										1.0	2.7
ENE	.2	.6	1.0									1.7	4.7
E	.2	.2	.2									.4	2.7
ESE	.2											.7	3.0
SE	.2	.2										.4	2.4
SSE			.2									.7	7.0
S	2.1	1.1	.2									3.4	3.6
SSW	3.6	4.6	.6									8.8	4.0
SW	2.9	6.9	1.7									11.5	4.0
WSW	4.2	6.1	2.5	.2								13.0	4.0
W	1.9	5.6	2.1	1.1								11.0	4.0
WNW	1.5	1.7	.4									3.6	4.1
NW	1.0	.8										1.7	3.7
NNW	1.3											1.3	2.1
VARBL	1.1	1.0										2.1	3.0
CALM												30.3	
	27.2	29.1	8.8	1.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 322

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

24197 BAB TOLZ GERMANY AAF 65-70

STATION STAT. OR NAME YEARS

ALL WEATHER

CLASS

COADITION

MONTH

5-11

HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.1										2.1	1.0
NNE	.6	.6	.4									1.6	1.0
NE	1.1	1.9	.8									3.8	4.0
ENE	1.0	1.7	3.3	.4								6.4	7.0
E	.6	1.3	1.7	.2								3.8	4.0
ESE	.2	.2										.4	3.0
SE													
SSE													
S	.6	.2										.8	3.0
SSW	2.1	1.9	.4									4.4	3.0
SW	.6	2.1	.2									2.7	4.0
WSW	1.9	3.4	1.5	1.1	.2							8.2	4.4
W	1.7	6.3	3.8	.4	.2							12.4	4.2
WNW	2.9	4.6	3.1	.6								11.1	5.7
NW	1.9	3.1	.8	.2								5.9	4.7
NNW	1.1	1.7	.6									3.4	4.0
VARBL	1.7	1.1										2.9	3.0
CALM												29.9	
	19.0	31.4	16.5	2.9	.4							100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAB TOLZ GERMANY AAF YEARS 65-70 MONTH 12
CLASS ALL WEATHER HOURS (L 3 Y) -14
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	3.1	.4									3.1	4.0
NNE	1.2	1.4	.2									2.7	3.7
NE	.8	2.1	2.7	.4								6.1	4.7
ENE	.4	4.1	4.1	1.2								9.8	7.3
E	1.8	2.1	5.5	1.6								10.0	7.4
ESE		.6	.2									.8	4.7
SE													
SSE													
S	.8	.2										1.0	2.0
SSW	.6	1.4	1.0	.4								3.3	5.4
SW	1.2	2.0	1.4									4.6	5.0
WSW	1.2	2.1	1.6									4.9	5.0
W	2.5	5.5	3.5	1.4	.4							12.3	4.7
WNW	1.0	4.3	3.7	.2								9.4	5.4
NW	2.0	2.9	1.4	.2								6.4	5.4
NNW	1.3	2.7	.2	.4								5.1	4.0
VARBL	2.1	2.0	.2									4.3	2.7
CALM												12.5	
	18.8	36.5	26.2	5.7	.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 312

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TULZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH
12-17
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.0	.2									2.1	4.4
NNE	1.2	1.6	.2									3.1	4.1
NE	1.0	2.2	1.8									4.9	4.1
ENE	1.4	3.7	3.9	1.8	.2							11.1	7.0
E	.8	6.1	7.3	1.6	.2							16.1	7.0
ESE	.2	.6	.2									1.1	5.1
SE	.2	.2										.4	4.1
SSE	.4											.4	2.1
S	.8	.2	.4									1.4	4.7
SSW	1.2	1.6	2.0	.6								5.2	5.4
SW	1.0	2.0	1.8									4.7	6.1
WSW	1.4	2.0	1.2	.2								4.7	5.4
W	2.0	4.9	3.7	1.0								11.3	6.4
WNW	1.4	4.1	1.8	.8								9.1	6.2
NW	1.2	2.2	1.6									5.9	5.7
NNW	.4	2.6	.6									3.6	5.1
VARBL	2.2	1.0										3.2	3.1
CALM												10.2	
	17.4	38.9	28.6	5.9	.5							100.1	5.4

TOTAL NUMBER OF OBSERVATIONS 327

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

10-2

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.3									3.4	2.7
NNE		.6	.6									1.2	5.1
NE	.3	2.7	.6									3.4	5.1
ENE	2.4	7.7	3.8	.3								14.7	5.4
E	1.8	6.8	4.7	.9	.6							14.7	4.1
ESE	.3											.3	2.7
SE	.3	.3										.4	3.4
SSE													
S	.3	.9	1.5	.3	.3							3.3	4.1
SSW	1.2	4.1	3.6	.6								9.5	6.2
SW	2.1	3.3	1.5									6.7	5.2
WSW	1.8	4.1	.6	.3								6.7	5.1
W	1.5	2.1	2.7	.3								6.3	6.3
WNW	.3	1.2	1.5	.3		.3						3.4	5.2
NW	1.2	2.1	.6									3.3	4.2
NNW	1.2	1.3	.3									3.3	3.7
VARBL	1.8	1.2	.9									3.4	4.2
CALM												15.1	
	17.8	39.9	23.1	3.0	.9	.3						100.1	5.1

TOTAL NUMBER OF OBSERVATIONS

33

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 STATION NAME BAB TULZ GERMANY AAF YEARS 67-68 MONTH 21-22
CLASS ALL WEATHER HOURS (LST) 21-22
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	9.1											9.1	2.1
NNE													
NE													
ENE		9.1										9.1	3.1
E													
ESE													
SE													
SSE													
S	9.1											9.1	3.1
SSW		27.3										27.3	4.1
SW													
WSW													
W	9.1	9.1										18.2	3.1
WNW		9.1										9.1	4.1
NW													
NNW													
VARBL													
CALM												18.2	
	27.3	54.5										100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 11

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAD TOLZ GERMANY AAF STATION NAME 65-69 YEARS MONTH 08-08 HOURS (LST) 0800-1800

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5											.5	2.1
NNE													
NE	.5											.5	2.1
ENE	.9											.9	2.1
E	1.4	.5										1.9	3.1
ESE	.5											.5	2.1
SE													
SSE		.9										.9	4.1
S	1.6	4.5	.5	1.4								8.1	5.2
SSW	2.6	7.2	2.3									13.1	4.4
SW	4.5	6.3	1.8									12.7	4.4
WSW	1.4	3.4	1.4									6.1	4.4
W	2.3	2.7	1.8									6.8	5.2
W.1W			.5									.5	7.1
NW	.5	.9										1.4	3.2
NNW		.5	.5									.5	4.1
VARBL													
CALM												43.4	
	17.6	29.0	8.6	1.4								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 221

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

65-70
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.4	2.2
NNE	.2											.2	2.0
NE	.6											.6	2.4
ENE	.4	1.2	.2	.2								2.0	3.0
E	.8	1.0										1.8	4.0
ESE		.2										.2	4.0
SE													
SSE	.6	.2										.6	2.5
S	1.6	2.0	.4									4.0	4.5
SSW	2.6	5.9	2.2	.4								11.1	6.2
SW	2.8	7.9	1.4									12.1	4.7
WSW	5.3	5.5	1.6	.2								13.7	4.5
W	7.2	3.2	3.2	.2								8.7	5.7
WNW	2	1.0	.6									2.0	4.7
NW	.2	.4	.4	.2								1.2	7.0
NNW													
VARBL	.6	.6										1.2	3.2
CALM												39.2	
	19.4	30.3	9.9	1.2								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

5

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

14.97 STATION BAD TOLZ GERMANY AAF 65-70 YEARS MONTH 9-11
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	.2	.2									1.4	1.4
NNE	.8	.6										1.4	2.3
NE	1.4	2.6	.8	.2								5.0	5.0
ENE	.4	3.6	3.0	.4								7.2	4.0
E	1.2	2.8	2.8	.6								7.2	2.8
ESE		.6										.4	4.2
SE													
SSE	.2	.2										.4	3.0
S		.2	.4	.2								.4	3.0
SSW	.6	1.6	1.0									3.2	5.0
SW	3.0	3.4	.6									4.2	4.3
WSW	3.0	4.0	1.8									8.7	4.7
W	2.6	3.0	6.1	.8								14.5	5.5
WNW	3.0	3.8	1.4	.4								2.8	5.0
NW	1.6	2.0	.8									4.4	4.7
NNW	1.0	1.2										2.2	3.4
VARBL	1.4	.8	.2	.2								2.4	4.2
CALM												25.0	
	21.0	32.3	19.0	2.8								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 8.5

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

36197 BAD TOLZ GERMANY AAF

63-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

12-14

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.9	.2									4.5	4.7
NNE	.4	1.7	.4									2.2	4.0
NE	.8	2.9	2.1									5.8	4.0
ENE	1.7	2.7	5.6	.2								10.1	4.4
E		1.9	6.0	1.0								8.9	4.4
ESE		.4										.4	4.5
SE													
SSE		.4										.4	5.2
S		.8	.2									1.0	5.0
SSW	.2	2.5	1.9									4.6	5.4
SW	.4	3.3	1.2									4.9	4.7
WSW	1.9	1.4	1.0									4.3	4.0
W	1.4	5.0	2.3	1.7								10.3	5.0
WNW	2.1	4.8	3.1									9.9	5.4
NW	1.4	5.2	2.9									9.5	5.5
NNW	1.2	3.7	.4									5.4	4.3
VARBL	1.7	1.9		.2								3.7	4.0
CALM												13.6	
	13.6	42.4	27.3	3.1								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

484

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

16197 8AF TDLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

15 - 17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	1.8	2.6	.4	.2								5.4	4.4
NNE	.4	.7	.4									1.4	2.3
NE	.4	2.0	2.0									4.4	2.7
ENE	.4	4.4	3.1	.7								8.4	4.4
E	2.0	4.8	7.0	1.5								15.4	7.1
ESE	.4		.4									.9	1.5
SE	.2	.2										.4	4.5
SSE	.4	.4	.2	.2								1.2	5.5
S	.7	1.3	.7									2.6	5.1
SSW	.9	3.5	2.2	.2								6.0	4.4
SW	.2	2.9	1.1									4.2	5.5
WSW	1.1	2.0	1.8	.2								5.1	5.4
W	1.5	3.9	2.0	.2								7.7	3.6
WNW	2.9	3.3	2.4									10.5	4.9
NW	2.4	2.6	1.5									6.6	4.7
NNW	1.3	3.1	.7									5.1	5.4
VARB	1.3	1.8	.2	.2								3.3	4.3
CALM												10.5	
	18.4	41.4	26.1	3.5								100.4	5.1

TOTAL NUMBER OF OBSERVATIONS

456

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 STATION NAME BAD TOLZ GERMANY AAF YEARS 65-70 MONTH 1-12
CLASS ALL WEATHER HOURS (L & T.) 2
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2										1.2	4.5
NNE		1.2										1.2	4.5
NE	.3	1.5	.9									2.7	5.7
ENE	1.8	9.7	2.7									14.2	5.3
E	2.1	10.9	2.1									15.1	5.1
ESE	.9	.9										1.8	4.2
SE	.3											.3	3.1
SSE													
S	1.2	1.5	.9									3.6	4.5
SSW	1.5	5.0	2.7	.3								9.4	5.1
SW	1.2	3.8	1.2									6.2	4.9
WSW	2.1	3.2	2.7									8.1	5.3
W	1.2	1.8	1.5	.6								5.1	5.5
WNW	.6	2.7	1.5									4.7	5.1
NW	1.5	1.2	.3									2.9	4.1
NNW	1.2	1.8										2.9	3.5
VARBL	.9	.6	.6	.2								2.4	4.1
CALM												19.5	
	16.5	49.0	16.8	1.2								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 339

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 36197 BAD TOLZ GERMANY AAF

67

YEARS

MONTH

ALL WEATHER

21.0-22.0
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE		25.0										25.0	4.0
E													
ESE													
SE													
SSE													
S				75.0								75.0	13.3
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
		25.0		75.0								100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

4

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAB TOLZ GERMANY AAF YEARS 67 MONTH 6
CLASS ALL WEATHER HOURS (LST) 0000-0200
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	50.0											50.0	2.0
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												50.0	
	50.0											100.0	1.5

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF

65-69

ALL WEATHER

CLASS

CONDITION

MONTH
3-5
HOURS (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4										.2	3.0
NNE													
NE	.4											.4	2.0
ENE	.4	.4	.4									1.2	4.7
E	1.6	.4	.4									2.5	3.3
ESE	2.5											2.5	2.2
SE		.4										.4	4.0
SSE	.8	.4										1.2	2.7
S	4.9	2.1	.4									7.4	3.2
SSW	4.9	5.2	2.9	.8								14.0	3.1
SW	2.5	6.2	2.5									11.1	3.2
WSW	1.6	7.4	2.5									11.5	5.2
W	1.6	3.3	.8	.4								6.2	4.3
WNW	.4	.8										1.2	3.2
NW	.4											.4	2.0
NNW													
VARBL	1.6	.8										2.5	3.0
CALM												36.5	
	24.3	28.0	9.9	1.2								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

243

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 BAD TOLZ GERMANY AAF

YEARS 65-70

CLASS ALL WEATHER

MONTH 1
HOURS (LST) 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	2.5
NNE	.4	.6										.9	3.1
NE	.6											.6	2.3
ENE	.6	.9	.6									2.1	5.1
E	.6	.2	.7	.2								1.7	4.1
ESE	.4	.2	.2									.7	4.1
SE	.7	.2										.9	2.4
SSE	1.3											1.3	2.4
S	3.4	3.2	.7									7.3	4.1
SSW	3.6	6.9	2.2	.4								13.1	5.1
SW	3.7	6.9	2.4									13.1	4.3
WSW	2.2	3.8	1.9	.2								10.1	4.1
W	1.5	1.5	2.8									5.9	5.9
WNW	1.3	1.3	.6									3.2	4.3
NW	.2		.4									.4	5.7
NNW	.7	.2	.2									1.1	3.1
VARBL	1.1	.7										1.9	3.1
CALM												35.2	
	22.7	28.7	12.7	.7								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 STATION NAME BAB TOLZ GERMANY AAF YEARS 65-70 MONTH 1-12
CLASS ALL WEATHER
CONDITION

SPFED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3										2.1	4.1
NNE	.9	1.1										2.1	3.7
NE	.9	2.1	.7									3.7	5.1
ENE	.9	3.0	2.4	.4								6.7	6.2
E	1.1	1.3	1.1	.2								3.7	4.1
ESE	.2	.4										.6	3.7
SE													
SSE	.4											.4	2.1
S	.7	.6	.2		.2							1.7	3.7
SSW	.9	2.6	2.1	.4								6.7	5.4
SW	2.4	3.7	1.3									7.3	4.9
WSW	2.4	3.9	2.1	.4								8.7	5.4
W	3.2	5.2	3.6	.7								12.7	5.7
WNW	3.0	4.1	1.5									8.7	4.7
NW	1.7	2.1	.6									4.3	4.7
NNW	1.1	.7										1.9	3.4
VARBL	2.4	.7										3.2	3.1
CALM												26.1	
	23.2	33.0	15.5	2.1	.2							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 BAB TOLZ GERMANY AAF

65-70

12-14

ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.0	.2									2.3	3.1
NNE	1.4	2.3	1.2									4.9	4.4
NE	1.2	3.1	2.9									7.1	5.1
ENE	.8	4.1	4.2	.8								9.9	6.1
E	1.0	2.9	2.9	.2								6.9	6.6
ESE		.2	.2									.4	3.5
SE	.4											.4	3.1
SSE	.2											.2	3.1
S	.2	.6	.8	.2								1.7	7.3
SSW	.6	2.3	1.5	.2								4.6	5.1
SW	.4	1.0	1.0	.2	.2							2.7	7.5
WSW	1.0	3.3	1.4	.4								6.0	5.1
W	1.2	6.0	2.9									10.1	5.6
WNW	3.3	6.8	2.9	.4								13.5	5.3
NW	1.9	3.9	.4									6.2	4.1
NNW	1.9	1.5	.6									4.1	4.1
VARBL	1.9	1.7	.2									3.9	3.9
CALM												15.3	
	18.5	40.5	23.2	2.3	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 516

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 STATION BAD TOLZ GERMANY AAF 65-70 YEARS MONTH 13-0-17
STATION NAME CLASS HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.9										4.9	3.7
NNE	.8	2.6	.6									4.1	4.7
NE	1.2	3.7	1.0									5.9	4.0
ENE	1.2	6.9	8.1									16.3	4.7
E	1.4	3.5	4.7	.4								17.0	6.0
ESE		.2										.2	4.0
SE													
SSE	.2											.2	3.0
S	1.0	1.0		.2	.2	.2						2.6	7.1
SSW	.4	3.1	3.2									6.7	6.7
SW	.2	2.9	1.4									4.5	6.6
WSW	1.2	4.3	.8									4.3	4.0
W	1.2	2.4	3.1	1.0								7.7	7.0
WNW	1.6	4.5	1.2	.4								7.7	5.1
NW	2.2	2.2	.2									4.7	3.0
NNW	1.2	1.2	.6									3.1	4.4
VARBL	1.6	1.2										2.9	3.4
CALM												12.2	
	17.7	42.6	25.1	2.0	.2	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 491

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 24197 STATION NAME BAB TOLZ GERMANY AAF YEARS 65-70 MONTH J
CLASS ALL WEATHER HOURS (LST) 18-21
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	.8										1.9	2.2
NNE	.3	.5										.8	2.2
NE	.8	2.7	.5									4.0	4.9
ENE	2.4	7.7	2.9									13.1	5.7
E	2.1	9.6	3.5									15.2	6.4
ESE	.3	.5										.8	4.3
SE	.5											.8	2.5
SSE	.3	.5										.8	3.2
S	1.9	.3	1.1									3.7	4.5
SSW	2.4	4.3	2.7									9.3	5.2
SW	4.0	3.7	2.9									10.7	4.9
WSW	2.4	4.0	2.4									8.8	5.2
W	2.1	2.1	1.1	.3								5.6	4.2
WNW	1.9	1.3	.5	.3								4.0	4.9
NW	1.6	.8										2.4	2.9
NNW	.3			.3								.5	7.7
VARBL	1.3	1.3										2.7	3.4
CALM												15.2	
	25.6	40.8	17.6	.8								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 375

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

67-69
YEARS

MONTH

ALL WEATHER
CLASS

21-23
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E	6.7	6.7										13.3	4.0
ESE													
SE													
SSE													
S													
SSW		13.3	6.7									20.0	6.3
SW		13.3										13.3	5.0
WSW		6.7										6.7	5.0
W		6.7										6.7	5.0
WNW			6.7									6.7	10.0
NW													
NNW													
VARBL													
CALM												33.3	
	6.7	46.7	13.3									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

10

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

36197
STATION

BAZ TOLZ GERMANY AAF
STATION NAME

66-67, 69
YEARS

ALL WEATHER
CLASS

CONDITION

MOON
MOON (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	3.2											3.2	3.0
ENE	3.2											3.2	2.0
E		3.2										3.2	4.0
ESE		3.2										3.2	4.0
SE													
SSE													
S		3.2										3.2	4.0
SSW	3.2		3.2									6.4	4.5
SW	6.4											6.4	2.5
WSW	3.2	3.2										6.4	4.0
W	3.2	6.4										9.6	4.0
WNW													
NW													
NNW													
VARBL	3.2											3.2	2.0
CALM												51.6	
	25.8	19.4	3.2									100.0	1.7

TOTAL NUMBER OF OBSERVATIONS 31

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 BAR TOLZ GERMANY AAF STATION NAME

65-69 YEARS

MONTH

ALL WEATHER CLASS

2370 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N													
NNE	.4											.4	3.1
NE	.4											.4	2.4
ENE	.4	2.1										2.4	4.1
E	1.7	.8	.4									3.1	3.7
ESE													
SE	1.3											1.3	3.1
SSE	1.3	.4										1.7	3.1
S	4.7	6.4	.4									11.4	3.5
SSW	4.2	5.9	.8	.4								11.4	4.4
SW	3.4	6.8	.8									11.4	4.3
WSW	2.1	3.8	.8									6.7	4.2
W	.8	3.8	.4	.8								5.9	5.7
WNW	.4			.8								1.3	12.7
NW	.8											.4	2.1
NNW			.4									.4	3.1
VARBL	1.3	.4										1.7	3.3
CALM												39.2	
	23.3	10.5	4.2	2.1								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

234

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 BAD TOLZ GERMANY AAF

64-70

ALL WEATHER

6 MONTHS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.2											.2	3.1
NNE	.2											.2	2.1
NE	.4	.2	.2									.2	4.5
ENE	1.8	1.0	.2									3.0	3.0
E	.8	2.0	.8									3.4	3.1
ESE	.8											.2	2.5
SE	.8											.2	2.2
SSE	1.2	.4										1.2	2.2
S	3.6	3.4	.8	.2								7.8	4.8
SSW	3.4	4.0	1.8	.4								9.8	4.9
SW	3.0	5.5	.6									9.1	4.2
WSW	2.8	6.1	1.2									10.1	4.4
W	1.6	3.0	1.2	.2								5.2	5.4
WNW	.4	.2										.4	3.4
NW	.2											.2	2.1
NNW	.2											.2	3.1
VARBL	1.6											1.6	2.1
CALM												44.1	
	22.7	25.7	6.7	.8								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 5,6

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24197 BAB TOLZ GERMANY AAF 64-70 YEARS 57 MONTH 11
CLASS ALL WEATHER HOURS (L.S.T.) 24
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.4	2.7
NNE	.8	.4										1.2	3.1
NE	.8	2.7	.2									3.4	4.2
ENE	.8	3.6	2.5	.4								7.2	5.1
E	.4	2.5	2.5	.4								5.7	3.7
ESE	.4		.2									.4	4.1
SE	.4											.4	2.1
SSE													
S	.6	1.3	.8	.4								3.1	6.4
SSW	1.7	2.3	2.3	.2								6.4	6.1
SW	1.3	1.9	.9									4.2	4.1
WSW	1.7	3.6	1.5									6.8	5.4
W	2.1	3.2	2.7	1.1								9.1	6.4
WNW	2.7	2.3	.8									5.7	4.2
NW	.9	1.9	.2	.2								3.2	4.5
NNW	.6	.6										1.1	3.7
VARBL	2.3	.2										2.5	2.1
CALM												38.1	
	17.6	26.5	16.4	2.7								100.1	3.3

TOTAL NUMBER OF OBSERVATIONS 525

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

25
MONTH

ALL WEATHER
CLASS

12-14
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.4										2.2	4.2
NNE	.8	1.6	.2									2.4	4.4
NE	1.4	3.7	1.8	.2								7.1	5.5
ENE	1.4	6.5	6.3	1.6								15.2	7.2
E	.4	2.2	5.7	1.8								12.1	7.2
ESE			.4									.4	7.5
SE													
SSE	.2											.2	2.2
S		1.6	.6	.4								2.6	7.2
SSW		1.2	1.2									2.4	6.4
SW		.6	.6									1.2	6.2
WSW	1.8	1.2	.2									3.2	3.2
W	1.4	3.6	3.6	1.0								9.5	7.2
WNW	2.4	5.7	2.6	.2								10.9	5.2
NW	2.6	2.8	1.8	.2								7.3	4.2
NNW	1.8	.8										2.6	3.1
VARBL	2.0	1.4	1.0	.2								4.5	5.1
CALM												17.8	
	16.8	34.1	25.8	5.5								100.2	5.2

TOTAL NUMBER OF OBSERVATIONS 507

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 STATION NAME BAB TOLZ GERMANY AAF YEARS 64,66-70 MONTH 5
CLASS ALL WEATHER HOUR (LST) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.9	.2									2.9	3.0
NNE	.9	1.3										2.1	3.0
NE	.9	4.7	1.1									6.4	5.1
ENE	2.1	9.6	6.4	1.1								19.2	6.2
E	1.1	6.2	8.1	1.1								16.4	7.0
ESE	.2											.2	3.0
SE													
SSE													
S	.4	.4	.2	.2								1.2	5.0
SSW	.4	.9	.4									1.7	4.0
SW	.4	1.3	.4	.2								2.8	5.6
WSW	.9	1.3	1.1	.4								3.6	6.0
W	1.3	4.1	3.0	.9	.4							9.4	7.0
WNW	3.0	3.6	1.9									8.5	4.0
NW	2.8	2.4	.9									6.0	4.0
NNW	1.5	1.7										3.2	3.9
VARBL	1.9	.9	.4									3.2	4.1
CALM												12.6	
	19.4	39.5	24.1	3.8	.4							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 468

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 BAB TOLZ GERMANY AAF

66-70

257
MONTH
14-2
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0											1.0	1.0
NNE	.3	.5										.8	4.0
NE	.5	1.3	.3									2.1	4.0
ENE	5.9	8.2	2.1	.3								15.5	4.5
E	6.4	10.1	1.8									18.3	4.5
ESE	1.0	.5	.3									1.8	3.9
SE	.5		.3									.8	3.7
SSE	.3											.3	3.0
S	.5	.3	.3	.3								1.8	7.0
SSW	2.3	2.8	.5									5.7	4.4
SW	.8	3.1	.5									4.4	4.9
WSW	1.5	3.4	.5	.3								5.7	4.7
W	1.3	3.6	1.0	.3								6.2	5.0
WNW	1.0	1.3	.5									2.8	4.5
NW	1.5		.3									1.8	3.4
NNW	1.0	.3										1.3	2.4
VARBL	1.5	.3										1.8	2.4
CALM												27.3	
	27.6	29.6	8.2	1.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

328

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAD TOLZ GERMANY AAF YEAR 66-67-69 MONTH SEP
CLASS ALL WEATHER HOURS (LST) 21 - 23
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0		1.5									4.5	4.0
NNE													
NE	1.5											1.5	3.0
ENE	4.5	6.1										10.6	4.0
E	4.5	1.5										6.1	2.0
ESE													
SE													
SSE													
S	1.5	1.5										3.0	3.0
SSW	1.5	7.6										9.1	3.7
WSW	3.0	3.0										6.1	4.0
W		1.5	3.0									4.5	7.2
WNW			1.5									1.5	9.0
NW													
NNW													
VARBL	1.5											1.5	3.0
CALM												43.9	
	22.7	27.3	6.1									100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 66

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 24197 STATION NAME BAB TOLZ GERMANY AAF YEARS 67 MONTH 07
CLASS ALL WEATHER HOURS (LST) 00-02
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW		50.0										50.0	5.0
SW		50.0										50.0	5.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
		100.0										100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-69
YEARS

CT

MONTH

ALL WEATHER
CLASS

23-1-8
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE	.4		.4									.4	4.5
ENE	1.3	1.3										2.5	3.0
E	1.7	.4	.4									2.5	3.0
ESE													
SE	.8	.4										1.3	3.0
SSE	1.7											1.7	2.5
S	1.7	5.9	.4	.4								8.4	4.0
SSW	4.2	4.6	2.9	.4								12.2	5.0
SW	1.7	5.0	2.5									9.2	5.5
WSW	2.1	2.5	2.5	.4								7.6	5.7
W	2.1	2.9	.8									5.9	4.0
WNW	.8											.0	2.5
NW													
NNW		.4										.4	5.0
VARBL	1.7											1.7	2.5
CALM												45.0	
	20.2	22.5	10.1	1.2								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 234

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF STATION NAME 64-70 YEARS MONTH 06 HOURS (LST) 00

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	4.0
NNE	.4											.4	2.8
NE	.2	.9	.2									1.3	4.0
ENE	1.1	1.1	.9									3.1	4.0
E	1.3	1.8	1.4	.2								4.7	5.4
ESE	1.1	.4										1.4	3.0
SE	.9	.2										1.1	2.3
SSE	.4	.2										.6	4.0
S	3.6	3.2	1.8	.2								8.8	4.6
SSW	3.4	6.1	3.1	.7								13.4	5.4
SW	2.3	5.1	2.2									9.4	5.0
WSW	2.0	3.6	3.1									8.7	5.3
W	1.3	2.0	1.8	.5								5.4	6.0
WNW	1.1	.5	.2	.2								2.0	4.7
NW													
NNW	.2	.4		.2								.7	3.0
VARBL	1.0	.2	.2									2.0	2.0
CALM												36.0	
	20.8	25.8	14.8	2.0								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 554

DATA PROCESSING DIVISION
 HTAC/USAF
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

34197 STATION BAD TOLZ GERMANY AAF 64-70 YEARS MONTH 09-11 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.2										1.7	3.2
NNE	.2	.5										.7	4.5
NE	1.3	1.3	.3									3.1	4.4
ENE	.8	1.8	1.5									4.2	5.1
E	1.0	1.0	2.7	.2								4.2	6.2
ESE	.8	.3		.2								1.2	4.3
SE	.3											.3	2.3
SSE	.3	.2		.2								.7	5.3
S	1.5	2.3	.3	.2								4.4	4.2
SSW	2.2	2.5	1.2	1.7								7.5	6.5
SW	2.8	5.0	1.2	.2								9.2	4.9
WSW	1.8	4.5	3.4									9.7	5.6
W	1.3	3.0	1.7	.8								6.7	5.9
WNW	1.5	1.8	.7									4.1	4.6
NW	.7	.3	.2									1.2	3.3
NNW	.5	.5										1.1	3.7
VARBL	3.0	.5	.7									4.2	3.4
CALM												35.2	
	20.8	27.0	13.7	3.4								100.1	3.4

TOTAL NUMBER OF OBSERVATIONS 597

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 STATION BAB TOLZ GERMANY AAF STATION NAME 64-70 YEARS MONTH 12-14 HOURS (LST)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0										1.3	3.1
NNE	1.0	2.0										3.1	4.1
NE	2.6	2.7	2.0	.2								7.5	3.3
ENE	1.9	3.6	3.7	.5								9.7	5.4
E	1.5	3.2	2.2	1.2								9.2	5.7
ESE	.5											.5	3.1
SE	.2											.2	2.1
SSE	.2											.2	2.1
S	.9	.7		.2								1.7	4.4
SSW	.3	2.6	1.4	.3								4.6	5.4
SW	.5	2.6	.7									3.7	5.3
WSW	1.0	2.9	2.4	.2	.2							6.6	4.4
W	1.7	3.2	3.7	1.0	.2							9.9	4.1
WNW	2.0	5.6	1.2	.3								9.2	4.9
NW	1.7	1.5	.3	.2								3.7	4.3
NNW	.5	1.7		.2								2.4	4.7
VARBL	3.1	1.0	.5	.2								4.3	3.7
CALM												22.3	
	20.1	24.4	18.2	4.4	.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 567

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

07
MONTH

ALL WEATHER
CLASS

15 - 17
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.7	.2									3.2	2.0
NNE	1.4	1.1										2.5	2.1
NE	3.0	4.2	.7									7.9	6.1
ENE	2.3	9.3	3.7	.5								15.0	5.4
E	1.8	4.8	3.2	1.2								10.0	6.5
ESE	.4	.4	.2									.8	3.0
SE	.2											.2	3.0
SSE	.2											.2	2.0
S	.5	.2	.4	.4								1.4	5.5
SSW	.7	.2	.9									1.8	5.7
SW	1.1	2.3	.7									4.1	4.0
WSW	1.9	3.0	1.8									6.7	5.0
W	1.6	2.8	2.1	1.1								7.6	6.5
WNW	2.3	3.4	.7	.2								6.5	4.6
NW	1.2	.9	.5									2.6	4.4
NNW	1.6	1.4										3.0	3.4
VARBL	2.6	.4	1.1									4.1	3.9
CALM												2.5	
	25.0	34.9	16.0	3.4								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS 567

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

ALL WEATHER
CLASS

1-2
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	✓	MEAN WIND SPEED
N	.3	.3										.5	3.5
NNE	.5											.5	2.5
NE	1.0	1.3										2.5	3.5
ENE	2.6	3.9	1.0									7.5	4.4
E	2.6	4.9	.8	.3								9.5	4.2
ESE	1.3											1.3	2.4
SE	.3	.3										.5	3.5
SSE	1.6											1.5	2.3
S	1.0	1.3	.3									2.5	4.1
SSW	2.1	3.4	.8	.3								6.5	3.2
SW	2.3	4.7	.5									7.5	4.3
WSW	2.9	4.2	.5									7.5	4.1
W	1.6	3.1	.8	.8								6.2	3.9
WNW	.5	1.3	.8	.2								2.2	5.2
NW	.5	.3										.2	3.5
NNW	.5											.2	3.5
VARBL	1.8	.5	.8									3.1	4.5
CALM												32.4	
	24.4	29.4	6.2	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

358

DATA PROCESSING DIVISION
BTAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

67
YEAR

11
MONTH

ALL WEATHER
CLASS

21-23
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S	20.0											20.0	3.0
SSW	20.0											20.0	2.0
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												60.0	
	40.0											100.0	1.0

TOTAL NUMBER OF OBSERVATIONS

5

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAB TOLZ GERMANY AAF

65-69 YEARS

ALL WEATHER CLASS

MONTH 3 1965
HOURS (LST) 24

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7										1.4	3.4
NNE		.4	.4									.7	5.4
NE	1.1	1.1	.4									2.4	4.4
ENE	1.1	3.4	1.5	.4								6.2	5.6
E	2.2	.7	1.5									4.4	5.3
ESE	2.2	.4										2.4	2.4
SE	.4											.4	2.4
SSE	.7	.4										1.1	4.4
S	1.5	2.6	.7	.7	.4							5.4	4.5
SSW	2.2	4.1	2.2	.7								9.3	5.7
SW	1.1	3.4	1.9	.4								6.7	5.1
WSW	1.5	2.6	1.9	.7								5.7	5.4
W	1.1	2.6	2.2	.7								6.7	5.9
WNW	.7	2.6	.7									4.2	5.3
NW	.7	.7	.4									1.2	4.4
NNW													
VARBL	.7											.7	2.4
CALM												30.1	
	19.3	25.7	13.8	3.7	.4							100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

24

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 34197 BAB TOLZ GERMANY AAF STATION NAME 64-70 YEARS MONTH 6 HOURS (LST)

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	2.5
NNE	.5	.4										.9	3.4
NE	.4	1.3										1.7	4.7
ENE	1.4	2.5	1.3	.4								5.4	5.5
E	2.2	1.4	1.1	.9								5.6	5.7
ESE	.7	.2	.2									1.1	2.9
SE	.2	.2										.4	3.1
SSE	1.1	.5										1.6	3.7
S	2.7	3.1	.9	.9	.2							7.7	5.6
SSW	3.1	3.1	3.4	.9								11.5	6.2
SW	1.6	6.0	1.3	.2								9.1	5.2
WSW	.4	1.8	2.9	.2	.2							5.3	7.9
W	1.4	4.0	3.8	1.4	.2							11.2	7.4
WNW	.2	1.1	1.1									2.3	6.5
NW	.4	.5										.9	3.4
NNW		.2										.2	5.1
VARBL	1.4	.2										1.6	2.7
CALM												33.9	
	18.1	26.4	15.9	5.2	.5							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 554

1 DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

MONTH

09-11
HOURS (L S T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	2.7
NNE	.5	.3										.8	3.2
NE	.3	1.5	.3									2.2	5.1
ENE	.5	3.5	1.9	.7								6.4	6.2
E	1.5	2.0	1.7	.7								5.9	5.1
ESE	.8	.2	.5									1.5	5.1
SE	.5											.5	2.3
SSE	.5	.3										.8	2.3
S	1.9	1.7	.3	1.2	.3							5.4	7.1
SSW	1.5	3.4	1.5	1.2	.2							7.0	6.7
SW	1.3	3.5	1.7	.2								6.7	5.1
WSW	1.3	3.0	1.5	.8								6.7	6.2
W	2.2	3.2	5.6	2.4								13.3	7.4
WNW	.7	2.5	.7	.2								4.7	5.4
NW	.5	1.2										1.7	4.4
NNW	.2											.2	2.0
VARBL	2.2	.3		.2								2.7	3.1
CALM												32.9	
	16.7	26.8	15.7	7.4	.5							100.7	4.1

TOTAL NUMBER OF OBSERVATIONS

393

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

24197 BAD TOLZ GERMANY AAF

64-70

MONTH
12 -14
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.5										.7	3.2
NNE	.5	.7										1.2	3.7
NE	1.2	2.4	1.2									4.7	5.1
ENE	1.2	3.2	4.4	.7								9.5	5.7
E	1.0	2.5	2.9	1.0								7.4	6.0
ESE	.7	.3	.5	.3								1.2	6.2
SE	.2	.3										.7	3.3
SSE	.5	.2										.7	3.7
S	1.2	.7	.7	.7								3.2	7.1
SSW	.7	2.7	2.0	.8	.3							6.6	7.3
SW	1.4	2.5	1.4	.2								5.4	5.5
WSW	1.2	2.5	2.0	.5								6.2	5.4
W	3.2	5.6	5.7	.5	.7							15.7	5.6
WNW	2.9	4.4	1.2	.3								8.7	4.8
NW	.3	1.5	.5									2.4	5.1
NNW	.8	.3										1.2	3.7
VARBL	2.4		.7	.3								3.4	5.5
CALM												20.6	
	19.4	30.4	23.1	5.1	1.4							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 392

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

NORTH

ALL WEATHER
CLASS

15-17
HOURS (L Y T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2										.2	4.1
NNE	.8	.5	.3									1.7	4.2
NE	.3	1.5	.8									2.7	5.1
ENE	1.5	7.3	2.7	.5								12.1	5.3
E	2.2	4.6	4.6	1.4								12.7	5.4
ESE	.8	.5	.5									1.9	4.4
SE	.3		.2									.2	3.7
SSE	.3	.2										.7	4.5
S	.2	.2	.3	.5		.2						1.4	10.5
SSW	.8	1.4	1.7	.5	.3							4.7	7.7
SW	1.5	2.9	1.0									5.4	4.9
WSW	2.0	2.4	1.7	.7	.2							6.3	6.4
W	1.9	5.6	5.4	2.4	.2							15.4	7.2
WNW	1.0	2.7	1.7	.3								5.2	5.2
NW	1.9	.3		.2								2.4	3.5
NNW	.2	.3										.5	4.3
VARBL	1.2	.3	.5	.2	.3							2.5	5.5
CALM												22.7	
	17.1	31.0	21.5	6.6	1.0	.2						100.2	4.9

TOTAL NUMBER OF OBSERVATIONS

591

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAD TOLZ GERMANY AAF

65-70 YEARS

ALL WEATHER CLASS

120-21 MONTH
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2										.7	2.7
NNE		.7										.7	4.3
NE	.7	.4										1.1	3.4
ENE	1.8	3.8	2.7	.7								9.6	5.9
E	3.1	4.0	1.8	.7								9.6	5.9
ESE	.7											.7	3.4
SE	.7											.7	2.3
SSE	.7											.7	2.3
S	2.7	1.3	1.1	.2								5.4	4.9
SSW	2.5	3.8	2.5	.4	.4	.2						9.9	6.5
SW	2.7	4.5	1.8									9.6	4.8
WSW	1.8	2.9	1.6	.2								6.5	3.4
W	1.6	2.9	4.0	.9								9.4	6.2
WNW	.4	.9	1.3	.2								2.9	4.3
NW	.7	.2	.2									1.1	4.3
NNW	.4	.2										.7	2.7
VARBL	.9											.9	2.7
CALM												31.2	
	21.7	20.0	17.0	3.4	.4	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

446

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

FC
MONTH

ALL WEATHER
CLASS

3 10 10
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	.9										1.9	2.2
NNE													
NE	.5											.5	2.0
ENE	2.3	.9	.9									4.1	3.9
E	2.3	2.3										4.6	3.5
ESE													
SE													
SSE	.5											.5	2.0
S	.5	2.3	.5									3.3	5.0
SSW	2.6	5.5	2.7									11.0	5.1
SW	.9	4.5	6.4	.5								12.3	6.4
WSW	2.7	4.5	5.9	.5								13.6	5.2
W	.5	5.0	6.4	.9	.5	.5						13.6	5.2
WNW	1.8	1.4	.9	.5								4.6	5.5
NW		.5										.5	6.0
NNW	.5											.5	2.0
VARBL			.5									.5	3.0
CALM												26.2	
	16.8	27.7	26.1	2.3	.5	.5						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 220

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

04197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

EU
MONTH

ALL WEATHER
CLASS

64-70
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4											.4	2.7
NNE	.4	.2										.4	3.3
NE	.8	.8										1.5	3.3
ENE	1.5	1.5	.2									3.2	3.9
E	1.5	2.4	.4									4.3	4.2
ESE	.9											.9	2.7
SE	.2	.2										.4	4.0
SSE	.4											.4	2.0
S	2.4	1.5	1.3	.6	.2							5.7	5.9
SSW	3.0	4.9	2.3	.6								10.7	5.4
SW	2.4	4.3	2.8	.4								10.7	5.5
WSW	2.3	4.0	2.4	.8	.2							9.4	6.2
W	1.3	4.3	6.2	2.1		.2						14.1	7.0
WNW	.4	1.5	.8	.4								3.7	6.7
NW		.4	.4									.9	6.3
NNW	.4											.4	2.7
VARBL	1.1	.2	.4									1.7	3.9
CALM												32.7	
	19.4	26.2	17.1	4.7	.4	.2						100.7	3.9

TOTAL NUMBER OF OBSERVATIONS

531

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

34197 STATION BAD TOLZ GERMANY AAF STATION NAME 64-70 YEARS MONTH 3-11 HOURS (LST) CLASS ALL WEATHER CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.2	.2										.2	3.1
NE	.3	.5	.2									1.0	4.7
ENE	1.5	3.2	.7									5.4	4.5
E	.8	3.0	1.2									5.0	5.2
ESE	.3											.3	2.0
SE	.2	.2										.3	3.1
SSE	.2	.2										.3	3.1
S	1.8	1.2	.5	.2								3.5	4.5
SSW	3.2	4.1	2.2	.5								10.0	5.4
SW	2.0	3.5	1.7	1.3								8.5	6.3
WSW	2.0	4.6	3.2	.3								10.1	5.7
W	1.7	3.6	6.6	2.3	.2							14.4	7.9
WNW	.5	.8	.7									2.0	5.2
NW	.8	.5										1.3	3.1
NNW													
VARBL	.8	.5										1.3	3.1
CALM												36.2	
	16.3	26.0	16.7	4.6	.2							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 603

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

12-14
HOURS (LST)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.2										1.4	2.1
NNE	.9	.2										1.1	2.7
NE	1.0	1.4	.2									2.6	4.2
ENE	2.2	4.5	1.2	.2								11.1	4.7
E	1.5	2.1	2.1	.2								8.2	5.7
ESE	.2	.3										.5	4.3
SE	.3											.3	2.1
SSE	.5											.5	2.3
S	.5	1.0	.2	.3								2.1	4.1
SSW	.5	2.1	3.1	.9								6.6	7.4
SW	.7	2.6	1.4	.2								4.9	5.9
WSW	1.4	4.1	4.3	.2								9.9	6.3
W	1.4	6.2	6.3	2.7	.2							17.1	7.6
WNW	.9	2.9	1.4	.5								5.7	5.3
NW	.3	1.0	.7									2.1	3.3
NNW	.9	.2										1.1	2.5
VARBL	1.2	.1	.2									1.7	3.2
CALM												29.1	
	15.6	29.0	21.1	5.1	.2							100.1	4.3

TOTAL NUMBER OF OBSERVATIONS 343

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/NAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 34197 STATION NAME BAB TOLZ GERMANY AAF YEARS 64-70 MONTH 5
CLASS ALL WEATHER HOURS (LST) 1800-1700
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.4	4.4
NNE	.4	.5	.2									1.1	4.2
NE	1.7	2.0	.2									3.9	3.7
ENE	2.2	3.0	1.8									9.1	5.2
E	1.5	3.5	2.9									7.9	3.8
ESE	.6											.2	2.4
SE	.7	.2										.2	2.4
SSE	.2											.2	2.4
S	.6	.9	.6	.4								2.4	6.5
SSW	1.7	2.8	1.8	.4								6.4	5.5
SW	1.8	2.8	3.1	.4								9.1	5.7
WSW	2.0	4.4	2.6	.7	.4							12.1	6.4
W	1.1	4.2	8.5	3.1								16.9	5.1
WNW	.7	2.0	1.1	.2								4.1	5.5
NW	1.3	.4	.2									1.2	3.4
NNW	.6											.6	2.3
VARBL	1.3	.2										1.2	2.5
CALM												23.9	
	18.2	29.3	23.0	5.2	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 543

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

50
MONTH

ALL WEATHER
CLASS

-2
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.5											.8	2.0
NE	.5	1.3	.3									2.1	4.4
ENE	3.3	5.1	1.0									9.4	4.3
E	3.5	1.3	1.5									6.3	4.2
ESE	.3	.3										.6	3.5
SE													
SSE		.5										.8	4.0
S	1.8	.3	.3	.3								2.5	4.5
SSW	2.0	3.0	3.5	.8								9.4	5.3
SW	1.5	3.8	1.0	.5								6.8	5.2
WSW	1.0	6.6	9.6	.8								14.9	5.7
W	3.0	3.5	5.6	4.8								17.1	7.0
WNW	1.0	.5	.2									1.7	3.4
NW			.3	.3								.6	12.0
NNW													
VARBL	1.8	.5										2.3	2.0
CALM												25.1	
	20.3	26.6	20.3	7.3								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

395

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

34197 STATION 8AB TOLZ GERMANY AAP

64-70

INSTRUMENT
CLASS

CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE

AND/OR VSBY 1/2 TO 2-1/2 MI w/ CIG 200 FT OR MORE

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.8	.0	.0								.1	.2
NNE	.6	.7	.1									.1	.2
NE	.8	2.0	.7	.0								.3	.4
ENE	1.6	4.8	3.1	.5								1.1	2.1
E	1.5	2.8	3.1	.7								.8	1.5
ESE	.2	.2	.1	.6								.2	.4
SE	.2	.0										.2	.2
SSE	.1	.1		.0								.1	.3
S	.5	.3	.1	.1	.0							.1	1.3
SSW	.7	1.5	.9	.2	.1							.3	1.1
SW	1.0	2.2	1.0	.0	.0							.4	1.7
WSW	1.8	3.7	2.5	.5	.0							.8	2.4
W	2.3	6.8	6.2	1.9	.2							1.7	4.1
WNW	2.3	4.1	2.2	.4	.0							.9	2.4
NW	1.5	1.7	.5	.1								.2	1.1
NNW	.9	.9	.3	.1								.1	.4
VARBL	.6	.2	.1									.1	.3
CAIM												24.7	
	17.6	32.4	21.0	4.1	.4							10.1	4.4

TOTAL NUMBER OF OBSERVATIONS 627

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	≥ 0
CEILING														
1500														92.6
1200														
1000														
800														
700														
600														
500									97.4					98.1
400														
300														
200														
100														
0					95.4		96.9			98.3				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 SAB TOLZ GERMANY AAF

64-70

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	> 0
NO CEILING		31.9	33.0	34.2	34.7	34.8	35.2	35.4	35.4	35.6	35.7	35.8	35.9	36.1	36.2	36.4
≥ 20000		37.1	38.3	39.5	40.1	40.3	40.6	40.8	40.9	41.1	41.2	41.3	41.4	41.6	41.7	41.9
IV 18000		37.2	38.4	39.6	40.1	40.3	40.7	40.9	41.0	41.2	41.3	41.4	41.5	41.7	41.8	41.9
IV 16000		37.2	38.4	39.6	40.2	40.3	40.7	40.9	41.0	41.2	41.3	41.4	41.5	41.7	41.8	42.0
IV 14000		37.3	38.5	39.7	40.3	40.5	40.8	41.0	41.1	41.3	41.4	41.5	41.6	41.8	41.9	42.1
IV 12000		37.7	38.9	40.2	40.7	40.9	41.2	41.4	41.5	41.7	41.8	41.9	42.0	42.2	42.3	42.5
IV 10000		39.3	40.6	41.8	42.4	42.6	42.9	43.2	43.2	43.4	43.5	43.6	43.7	43.9	44.0	44.2
IV 9000		40.4	41.6	42.9	43.4	43.6	44.0	44.2	44.3	44.5	44.6	44.7	44.8	45.0	45.1	45.3
IV 8000		43.6	45.0	46.3	47.0	47.2	47.6	47.8	47.9	48.1	48.2	48.3	48.4	48.6	48.7	48.9
IV 7000		46.0	47.5	48.8	49.5	49.7	50.1	50.4	50.5	50.7	50.8	50.9	51.0	51.2	51.3	51.5
IV 6000		47.6	49.2	50.6	51.3	51.5	51.9	52.2	52.3	52.5	52.6	52.7	52.8	53.0	53.1	53.3
IV 5000		50.0	51.6	53.1	53.8	54.1	54.5	54.8	54.8	55.1	55.2	55.3	55.4	55.6	55.7	56.0
IV 4500		51.9	53.6	55.1	55.8	56.1	56.5	56.8	56.9	57.1	57.2	57.3	57.4	57.6	57.7	58.0
IV 4000		54.5	56.3	57.9	58.7	59.0	59.5	59.8	59.8	60.1	60.2	60.3	60.4	60.6	60.7	61.0
IV 3500		57.4	59.4	61.2	62.0	62.3	62.8	63.1	63.2	63.5	63.7	63.8	64.1	64.2	64.4	
IV 3000		61.0	63.4	65.4	66.4	66.6	67.4	67.8	67.9	68.2	68.3	68.4	68.5	68.7	68.8	69.1
IV 2500		65.3	68.2	70.6	71.8	72.2	73.0	73.4	73.5	73.9	74.0	74.1	74.2	74.4	74.5	74.8
IV 2000		67.2	70.5	73.4	75.0	75.4	76.4	76.8	76.9	77.4	77.5	77.6	77.7	77.9	78.0	78.3
IV 1800		67.9	71.4	74.5	76.2	76.6	77.7	78.2	78.3	78.8	78.9	79.0	79.1	79.4	79.5	79.7
IV 1500		69.2	73.1	76.7	78.7	79.4	80.8	81.5	81.7	82.2	82.4	82.5	82.6	82.8	82.9	83.2
IV 1200		70.2	74.4	78.3	80.9	81.7	83.4	84.4	84.6	85.4	85.6	85.7	85.8	86.0	86.1	86.4
IV 1000		70.3	74.8	79.0	81.8	82.7	84.8	86.0	86.3	87.4	87.7	87.8	87.9	88.2	88.3	88.5
IV 900		70.3	74.9	79.2	82.1	83.2	85.4	86.7	87.2	88.4	88.7	88.9	89.0	89.3	89.4	89.6
IV 800		70.6	75.1	79.4	82.3	83.6	86.2	87.7	88.3	89.8	90.3	90.5	90.7	90.9	91.0	91.3
IV 700		70.7	75.2	79.6	82.8	84.0	86.8	88.5	89.3	91.1	91.8	92.2	92.3	92.6	92.7	93.0
IV 600		70.7	75.2	79.7	82.9	84.2	87.2	89.3	90.1	92.3	93.2	93.6	93.8	94.1	94.2	94.5
IV 500		70.7	75.3	79.8	83.1	84.4	87.3	89.8	90.7	93.4	94.6	95.1	95.6	96.0	96.1	96.4
IV 400		70.7	75.3	79.8	83.1	84.4	87.6	90.0	91.1	94.0	95.3	96.1	96.7	97.2	97.4	97.7
IV 300		70.7	75.3	79.8	83.1	84.4	87.6	90.1	91.3	94.3	96.1	96.8	97.7	98.3	98.5	99.0
IV 200		70.7	75.3	79.8	83.1	84.4	87.6	90.1	91.3	94.3	96.1	96.8	97.7	98.6	99.0	99.9
IV 100		70.7	75.3	79.8	83.1	84.4	87.6	90.1	91.3	94.3	96.1	96.8	97.7	98.6	99.0	100.0
IV 0		70.7	75.3	79.8	83.1	84.4	87.6	90.1	91.3	94.3	96.1	96.8	97.7	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 33238

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197

BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING		26.0	27.3	28.1	29.8	30.1	30.8	31.1	31.2	31.7	31.7	32.0	32.1	32.3	32.5	32.7
≥ 20000		31.0	32.3	34.1	34.9	35.3	36.2	36.4	36.6	37.2	37.2	37.5	37.6	37.8	38.0	38.2
IV 18000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 16000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 14000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 12000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 10000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 9000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 8000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 7000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 6000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 5000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 4500		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 4000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 3500		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 3000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 2500		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 2000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 1800		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 1500		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 1200		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 1000		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 900		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 800		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 700		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 600		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 500		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 400		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 300		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 200		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 100		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3
IV 0		31.1	32.5	34.2	35.1	35.4	36.3	36.5	36.7	37.3	37.3	37.6	37.7	38.0	38.1	38.3

TOTAL NUMBER OF OBSERVATIONS 2539

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAP TGL GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ ¼	≥ 1/8	≥ 0
NO CEILING		26.9	27.7	29.0	29.3	29.5	29.8	30.0	30.1	30.2	30.3	30.3	30.3	30.4	30.5	30.7
≥ 20000		32.6	33.7	35.1	35.5	35.7	36.1	36.3	36.4	36.5	36.6	36.6	36.6	36.7	36.8	37.1
IV 18000		32.7	33.8	35.2	35.5	35.8	36.2	36.4	36.5	36.6	36.7	36.7	36.7	36.8	36.9	37.1
IV 16000		32.7	33.8	35.3	35.6	35.8	36.2	36.4	36.5	36.7	36.7	36.7	36.7	36.8	36.9	37.1
IV 14000		32.9	34.0	35.5	35.8	36.0	36.4	36.6	36.7	36.9	36.9	36.9	36.9	37.0	37.1	37.3
IV 12000		33.6	34.7	36.1	36.4	36.7	37.1	37.3	37.4	37.5	37.6	37.6	37.6	37.6	37.8	38.0
IV 10300		35.0	36.2	37.7	38.1	38.3	38.7	38.9	39.0	39.1	39.2	39.2	39.2	39.2	39.4	39.6
IV 9000		36.2	37.4	38.9	39.2	39.5	39.9	40.1	40.2	40.3	40.4	40.4	40.4	40.4	40.6	40.8
IV 8000		40.7	42.0	43.6	44.1	44.3	44.3	45.0	45.1	45.3	45.4	45.4	45.4	45.5	45.6	45.8
IV 7000		43.5	44.8	46.6	47.0	47.2	47.8	48.0	48.2	48.4	48.5	48.5	48.5	48.5	48.7	48.9
IV 6000		45.2	46.6	48.5	48.9	49.2	49.7	49.9	50.1	50.3	50.3	50.3	50.3	50.4	50.6	50.8
IV 5000		47.4	49.0	50.7	51.3	51.6	52.2	52.4	52.5	52.7	52.8	52.8	52.8	52.9	53.0	53.2
IV 4500		49.4	51.1	53.1	53.5	53.8	54.3	54.5	54.6	54.8	54.9	54.9	54.9	55.0	55.1	55.3
IV 4000		51.6	53.4	55.5	55.9	56.2	56.8	57.0	57.2	57.4	57.5	57.5	57.5	57.5	57.7	57.9
IV 3500		54.9	57.0	59.3	59.8	60.1	60.7	61.0	61.2	61.4	61.5	61.5	61.5	61.6	61.7	61.9
IV 3000		58.1	60.6	63.1	63.7	64.0	64.6	65.0	65.2	65.5	65.6	65.6	65.6	65.7	65.8	66.0
IV 2500		63.3	66.2	69.1	69.8	70.2	71.2	71.7	72.0	72.4	72.5	72.5	72.5	72.6	72.7	72.9
IV 2000		64.5	67.9	71.2	72.1	72.6	73.7	74.3	74.7	75.2	75.3	75.3	75.3	75.4	75.5	75.7
IV 1800		65.5	68.9	72.3	73.2	73.7	74.9	75.6	76.0	76.6	76.7	76.7	76.7	76.8	76.9	77.1
IV 1500		67.0	70.8	74.4	75.6	76.1	78.0	78.9	79.4	80.0	80.1	80.1	80.1	80.2	80.3	80.5
IV 1200		68.1	72.1	76.0	77.5	78.2	80.4	82.0	82.6	83.3	83.6	83.6	83.6	83.7	83.8	84.0
IV 1000		68.6	72.4	76.7	78.4	79.2	81.7	83.7	84.4	85.8	86.1	86.1	86.1	86.2	86.3	86.5
IV 900		68.4	72.3	76.7	78.5	79.4	82.2	84.5	85.3	87.1	87.5	87.5	87.5	87.7	87.8	88.0
IV 800		68.4	72.3	76.8	78.7	79.6	82.8	85.3	86.3	88.5	89.5	89.6	89.6	89.8	90.0	90.2
IV 700		68.6	72.7	76.9	78.9	79.9	83.1	85.8	86.9	89.6	90.8	91.1	91.1	91.3	91.4	91.6
IV 600		68.7	72.7	77.0	79.1	80.1	83.3	86.5	87.9	91.1	92.8	93.1	93.2	93.4	93.5	93.7
IV 500		68.7	72.7	77.0	79.1	80.1	83.3	86.5	87.9	91.1	92.8	93.1	93.2	93.4	93.5	93.7
IV 400		68.7	72.7	77.0	79.1	80.1	83.3	86.5	87.9	91.1	92.8	93.1	93.2	93.4	93.5	93.7
IV 300		68.7	72.7	77.0	79.2	80.2	83.7	86.8	88.5	92.8	96.1	96.9	98.0	98.9	99.1	99.3
IV 200		68.7	72.7	77.0	79.2	80.2	83.7	86.8	88.5	92.8	96.1	97.1	98.3	99.3	99.6	99.8
IV 100		68.7	72.7	77.0	79.2	80.2	83.7	86.8	88.5	92.8	96.1	97.1	98.4	99.4	99.8	100.0
IV 0		68.7	72.7	77.0	79.2	80.2	83.7	86.8	88.5	92.8	96.1	97.1	98.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 2431

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		26.8	28.3	29.5	30.3	30.4	30.8	31.0	31.0	31.2	31.2	31.3	31.3	31.4	31.6	31.6
≥ 20000		32.3	33.8	35.1	36.1	36.2	36.6	36.8	36.8	37.0	37.0	37.1	37.1	37.2	37.3	37.4
IV 18000		32.3	33.8	35.1	36.1	36.2	36.6	36.8	36.8	37.0	37.0	37.1	37.1	37.2	37.3	37.4
IV 16000		32.3	33.8	35.1	36.1	36.2	36.6	36.8	36.8	37.0	37.0	37.1	37.1	37.2	37.3	37.4
IV 14000		32.3	33.8	35.1	36.1	36.2	36.6	36.8	36.8	37.0	37.0	37.1	37.1	37.2	37.3	37.4
IV 12000		32.6	34.1	35.5	36.4	36.5	36.9	37.1	37.1	37.3	37.4	37.5	37.5	37.6	37.7	37.8
IV 10000		33.3	34.9	36.3	37.3	37.4	37.8	38.1	38.1	38.3	38.3	38.5	38.5	38.6	38.7	38.8
IV 9000		34.2	35.9	37.2	38.2	38.3	38.7	39.0	39.1	39.3	39.3	39.4	39.4	39.6	39.7	39.7
IV 8000		36.1	37.8	39.3	40.2	40.4	40.8	41.1	41.1	41.3	41.4	41.5	41.5	41.6	41.7	41.8
IV 7000		37.9	39.7	41.2	42.2	42.4	42.9	43.1	43.2	43.4	43.4	43.5	43.5	43.7	43.8	43.9
IV 6000		40.1	42.1	43.7	44.7	44.9	45.4	45.6	45.7	45.9	45.9	46.0	46.0	46.2	46.3	46.4
IV 5000		41.7	43.9	45.5	46.5	46.8	47.2	47.5	47.5	47.8	47.8	47.9	47.9	48.1	48.3	48.4
IV 4500		42.9	45.1	46.8	47.8	48.1	48.6	48.8	48.9	49.1	49.2	49.3	49.3	49.4	49.6	49.8
IV 4000		44.3	46.7	48.3	49.4	49.8	50.3	50.6	50.6	50.9	50.9	51.0	51.0	51.2	51.4	51.5
IV 3500		46.1	48.6	50.4	51.3	51.9	52.4	52.7	52.7	53.0	53.0	53.1	53.1	53.3	53.5	53.6
IV 3000		48.7	51.4	53.4	54.6	55.0	55.5	55.8	55.9	56.2	56.2	56.4	56.4	56.5	56.7	56.9
IV 2500		54.4	57.8	60.6	62.4	63.0	63.6	64.0	64.1	64.4	64.4	64.6	64.6	64.7	64.9	65.1
IV 2000		56.3	60.4	63.9	66.2	66.9	67.9	68.3	68.4	68.8	68.8	68.9	68.9	69.1	69.3	69.4
IV 1800		56.9	61.1	64.7	67.5	68.0	69.2	69.7	69.8	70.2	70.2	70.3	70.3	70.5	70.7	70.8
IV 1500		58.0	62.8	66.9	70.0	70.8	72.6	73.5	73.6	74.1	74.2	74.3	74.3	74.5	74.7	74.9
IV 1200		58.7	64.0	68.4	71.9	72.9	73.9	74.9	75.0	75.5	75.6	75.7	75.7	75.9	76.1	76.3
IV 1000		58.9	64.2	68.8	72.5	73.6	74.3	74.9	75.2	75.8	75.8	76.0	76.0	76.3	76.5	76.7
IV 900		59.0	64.3	69.0	72.9	74.0	74.8	75.5	75.7	76.2	76.2	76.5	76.5	76.8	77.0	77.2
IV 800		59.0	64.4	69.1	73.1	74.3	75.1	75.8	76.1	76.7	76.7	77.0	77.0	77.3	77.5	77.7
IV 700		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 600		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 500		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 400		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 300		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 200		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 100		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9
IV 0		59.0	64.4	69.2	73.3	74.5	75.3	76.0	76.3	76.9	76.9	77.2	77.2	77.5	77.7	77.9

TOTAL NUMBER OF OBSERVATIONS 2973

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
DAYS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING ≥ 20000	32.6	33.7	34.4	34.7	34.7	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.1	35.1	35.1
IV 18000	39.4	40.6	41.3	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9	42.0	42.0
IV 16000	39.4	40.6	41.3	41.6	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.9	42.0	42.0
IV 14000	39.7	40.8	41.5	41.8	41.8	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.2	42.2	42.3
IV 12000	40.8	41.4	42.1	42.4	42.4	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.9
IV 10000	41.7	42.9	43.6	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.3	44.3	44.3
IV 9000	42.6	43.7	44.4	44.7	44.7	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.2	45.2	45.2
IV 8000	46.2	47.5	48.2	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	49.0	49.0
IV 7000	49.1	50.4	51.2	51.5	51.5	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	52.0
IV 6000	50.0	51.3	52.1	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.8	52.8
IV 5000	51.7	53.1	53.9	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.7	54.7	54.7
IV 4500	53.3	54.9	55.7	56.0	56.1	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.6
IV 4000	56.1	57.9	58.6	59.2	59.2	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.8
IV 3500	57.9	59.9	60.9	61.3	61.4	61.7	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.1
IV 3000	60.9	63.1	64.3	65.0	65.1	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.8	65.8	65.8
IV 2500	66.4	69.3	71.1	71.9	72.0	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.9	72.9	72.9
IV 2000	68.5	72.0	74.3	75.3	75.5	76.2	76.4	76.5	76.7	76.7	76.7	76.7	76.8	76.9	76.9	76.9
IV 1800	69.0	72.8	75.6	76.8	77.0	77.7	77.9	78.0	78.3	78.3	78.3	78.3	78.4	78.5	78.5	78.5
IV 1500	70.4	74.7	78.3	80.2	80.6	81.7	82.1	82.1	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.9
IV 1200	71.1	75.7	79.7	82.3	83.1	84.6	85.1	85.2	85.8	85.8	85.8	85.8	85.8	85.9	85.9	86.0
IV 1000	71.5	76.2	80.3	83.3	84.2	86.4	87.2	87.8	88.7	88.8	88.8	88.8	88.8	89.0	89.0	89.0
IV 900	71.6	76.3	80.7	83.7	84.6	87.0	87.9	88.6	89.6	89.7	89.7	89.7	89.8	90.0	90.0	90.0
IV 800	71.6	76.3	81.0	84.0	85.0	87.8	89.0	89.9	91.1	91.4	91.4	91.4	91.5	91.6	91.6	91.7
IV 700	71.7	76.7	81.4	84.6	85.6	88.3	89.3	90.9	92.3	92.7	92.8	92.8	92.9	93.1	93.1	93.1
IV 600	71.7	76.7	81.5	84.8	85.9	89.2	90.8	92.0	93.9	94.7	94.9	95.1	95.3	95.3	95.3	95.3
IV 500	71.7	76.7	81.5	84.9	86.1	89.3	91.5	92.7	95.3	96.9	97.3	97.5	97.5	97.5	97.5	97.6
IV 400	71.8	76.7	81.6	84.9	86.1	89.3	91.5	92.7	95.3	96.9	97.3	97.5	97.5	97.5	97.5	97.6
IV 300	71.8	76.7	81.6	84.9	86.1	89.3	91.5	92.7	95.3	96.9	97.3	97.5	97.5	97.5	97.5	97.6
IV 200	71.8	76.7	81.6	84.9	86.1	89.3	91.5	92.7	95.3	96.9	97.3	97.5	97.5	97.5	97.5	97.6
IV 100	71.8	76.7	81.6	84.9	86.1	89.3	91.5	92.7	95.3	96.9	97.3	97.5	97.5	97.5	97.5	97.6
IV 0	71.8	76.7	81.6	84.9	86.1	89.3	91.5	92.7	95.3	96.9	97.3	97.5	97.5	97.5	97.5	97.6

TOTAL NUMBER OF OBSERVATIONS 3045

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 SAE TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DAY

MONTH

ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		35.4	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.1	36.1	36.2	36.2	36.2	36.2	36.3
≥ 20000		41.8	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6	42.6	42.7	42.7	42.7
IV 18000		41.8	42.3	42.4	42.5	42.5	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.7	42.7	42.8
IV 16000		41.8	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.8
IV 14000		41.9	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.9
IV 12000		42.6	43.1	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.5	43.5	43.5
IV 10000		43.9	44.4	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.9	44.9	44.9	44.9	45.0
IV 9000		44.9	45.5	45.6	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	45.9	46.0	46.0	46.1
IV 8000		49.0	49.6	49.7	49.8	49.8	49.8	49.9	49.9	49.9	50.0	50.0	50.0	50.1	50.1	50.2
IV 7000		51.3	52.1	52.3	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.7
IV 6000		53.1	53.9	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5
IV 5000		55.4	56.3	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9
IV 4500		57.1	58.0	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.7
IV 4000		60.3	61.3	61.4	61.6	61.6	61.6	61.7	61.7	61.7	61.8	61.8	61.8	61.9	61.9	62.0
IV 3500		63.8	64.8	65.0	65.2	65.3	65.3	65.4	65.4	65.4	65.5	65.5	65.5	65.6	65.6	65.7
IV 3000		69.2	70.8	71.2	71.6	71.7	71.8	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2
IV 2500		74.5	76.8	77.5	78.1	78.1	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.7	78.7	78.8
IV 2000		76.9	79.5	80.6	81.5	81.6	82.0	82.2	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.6
IV 1800		77.7	80.4	81.7	82.8	82.9	83.3	83.5	83.6	83.8	83.8	83.9	83.9	83.9	83.9	84.0
IV 1500		79.9	82.9	84.6	86.0	86.6	87.2	87.6	87.7	87.8	87.9	87.9	87.9	88.1	88.1	88.1
IV 1200		81.4	84.9	87.5	89.5	90.4	91.2	91.5	91.6	92.0	92.0	92.1	92.1	92.2	92.2	92.3
IV 1000		82.0	85.6	88.4	90.8	91.8	92.0	93.2	93.2	93.6	93.7	93.7	93.8	93.9	93.9	94.0
IV 900		82.1	85.8	88.6	91.1	92.4	93.6	94.0	94.0	94.5	94.5	94.6	94.6	94.7	94.7	94.8
IV 800		82.3	86.0	89.0	91.9	93.2	93.0	93.5	93.7	96.4	96.5	96.5	96.6	96.7	96.7	96.7
IV 700		82.6	86.2	89.2	92.2	93.3	93.5	96.2	96.5	97.3	97.4	97.4	97.5	97.6	97.6	97.7
IV 600		82.6	86.2	89.3	92.4	93.8	95.9	96.9	97.3	98.1	98.3	98.5	98.4	98.5	98.5	98.5
IV 500		82.4	86.2	89.3	92.4	93.8	96.2	97.3	97.7	98.8	99.0	99.1	99.2	99.3	99.3	99.4
IV 400		82.4	86.2	89.2	92.4	93.9	96.3	97.4	97.8	99.0	99.2	99.3	99.5	99.8	99.8	99.8
IV 300		82.4	86.2	89.3	92.4	93.9	96.3	97.4	97.8	99.0	99.2	99.3	99.5	99.8	99.9	99.9
IV 200		82.4	86.2	89.3	92.4	93.9	96.3	97.4	97.8	99.0	99.2	99.3	99.5	99.8	99.9	100.0
IV 100		82.4	86.2	89.3	92.4	93.9	96.3	97.4	97.8	99.0	99.2	99.3	99.5	99.8	99.9	100.0
IV 0		82.4	86.2	89.3	92.4	93.9	96.3	97.4	97.8	99.0	99.2	99.3	99.5	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2813

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAF TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING	36.8	37.3	38.2	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.8
≥ 20000	41.6	42.2	43.2	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.9
IV 18000	41.8	42.4	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0
IV 16000	41.8	42.4	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0
IV 14000	41.9	42.5	43.5	43.8	43.8	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.1
IV 12000	43.4	42.9	43.9	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.5
IV 10000	44.0	44.6	45.6	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.2
IV 9000	45.3	45.9	46.8	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.5
IV 8000	49.1	49.7	50.8	51.2	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5
IV 7000	50.1	50.8	51.9	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6
IV 6000	51.9	52.4	53.7	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.4
IV 5000	54.2	54.9	56.1	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.8
IV 4500	56.3	57.0	58.4	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.1
IV 4000	60.0	60.8	62.3	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.1
IV 3500	64.2	65.3	67.1	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.9
IV 3000	71.1	72.3	74.3	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.4
IV 2500	76.7	78.5	80.9	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1	82.2
IV 2000	80.0	82.3	84.8	85.8	86.0	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.5
IV 1800	80.7	83.1	85.8	87.0	87.1	87.4	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.7
IV 1500	82.3	85.2	88.7	90.2	90.4	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.1
IV 1200	83.8	87.2	91.0	93.0	93.4	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.3
IV 1000	84.1	87.6	91.5	93.7	94.1	94.8	94.8	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.1	95.2
IV 900	84.2	87.7	91.5	93.7	94.4	95.0	95.9	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.3
IV 800	84.4	88.0	92.4	95.0	95.8	96.8	96.8	97.0	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.5
IV 700	84.4	88.0	92.5	95.2	96.1	97.3	97.4	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.3
IV 600	84.5	88.1	92.5	95.3	96.2	97.6	97.8	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.7
IV 500	84.5	88.2	92.7	95.4	96.4	97.8	98.3	98.6	98.8	99.2	99.4	99.4	99.4	99.4	99.5	99.6
IV 400	84.5	88.2	92.7	95.5	96.5	98.0	98.6	98.8	99.5	99.7	99.7	99.7	99.7	99.8	99.8	99.9
IV 300	84.5	88.2	92.7	95.5	96.5	98.0	98.6	98.8	99.6	99.7	99.7	99.7	99.8	99.8	99.9	100.0
IV 200	84.5	88.2	92.7	95.5	96.5	98.0	98.6	98.8	99.6	99.7	99.7	99.7	99.8	99.8	99.9	100.0
IV 100	84.5	88.2	92.7	95.5	96.5	98.0	98.6	98.8	99.6	99.7	99.7	99.7	99.8	99.8	99.9	100.0
IV 0	84.5	88.2	92.7	95.5	96.5	98.0	98.6	98.8	99.6	99.7	99.7	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 2627

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 1/2	≥ 3/16	≥ 1/8	≥ 1/16
NO CEILING		40.0	41.2	41.5	41.6	41.6	41.7	41.9	42.0	42.0	42.2	42.2	42.3	42.4	42.4	42.6
≥ 20000		43.9	45.1	45.6	45.8	45.8	45.9	46.0	46.1	46.2	46.3	46.3	46.5	46.5	46.6	46.7
IV 18000		44.0	45.2	45.7	45.8	45.8	45.9	46.1	46.2	46.3	46.4	46.4	46.5	46.6	46.7	46.9
IV 16000		44.0	45.2	45.7	45.8	45.8	45.9	46.1	46.2	46.3	46.4	46.4	46.5	46.6	46.7	46.9
IV 14000		44.0	45.3	45.7	45.9	45.9	46.0	46.1	46.3	46.3	46.5	46.5	46.6	46.7	46.7	46.9
IV 12000		44.6	45.8	46.3	46.5	46.5	46.5	46.7	46.8	46.9	47.0	47.0	47.1	47.2	47.3	47.5
IV 10000		46.6	47.9	48.3	48.5	48.5	48.6	48.7	48.8	48.9	49.0	49.0	49.2	49.2	49.3	49.5
IV 9000		47.7	49.1	49.6	49.7	49.7	49.8	50.0	50.1	50.2	50.3	50.3	50.4	50.5	50.6	50.8
IV 8000		51.7	53.1	53.6	53.7	53.7	53.9	54.0	54.1	54.2	54.3	54.3	54.5	54.5	54.6	54.8
IV 7000		54.4	55.9	56.4	56.6	56.6	56.8	57.0	57.1	57.2	57.3	57.3	57.4	57.5	57.6	57.8
IV 6000		56.8	58.3	58.8	59.0	59.0	59.1	59.3	59.5	59.5	59.7	59.7	59.8	59.9	59.9	60.1
IV 5000		60.1	61.7	62.3	62.5	62.5	62.7	62.9	63.0	63.1	63.2	63.2	63.4	63.4	63.5	63.7
IV 4500		63.0	64.6	65.3	65.5	65.5	65.8	66.0	66.1	66.2	66.3	66.3	66.5	66.5	66.6	66.8
IV 4000		67.2	68.9	69.5	69.8	69.8	70.2	70.5	70.6	70.7	70.8	70.8	70.9	71.0	71.1	71.3
IV 3500		71.2	73.4	73.9	74.3	74.3	74.8	75.1	75.2	75.3	75.4	75.4	75.5	75.6	75.7	75.9
IV 3000		73.6	77.8	79.2	79.7	79.8	80.3	80.5	80.7	80.7	80.9	80.9	81.0	81.1	81.1	81.3
IV 2500		81.2	84.2	85.7	86.4	86.4	87.0	87.3	87.4	87.5	87.5	87.6	87.7	87.8	87.9	88.1
IV 2000		82.1	86.5	88.0	88.8	88.8	89.5	89.8	89.9	90.0	90.1	90.1	90.2	90.3	90.4	90.6
IV 1800		83.7	87.4	89.2	90.2	90.2	90.9	91.2	91.4	91.5	91.6	91.6	91.7	91.8	91.9	92.1
IV 1500		84.8	89.1	91.6	93.0	93.1	94.0	94.3	94.4	94.6	94.7	94.7	94.8	94.9	94.9	95.1
IV 1200		85.4	90.1	92.7	94.3	94.5	95.1	95.2	95.3	95.5	95.6	95.6	95.7	95.8	95.9	96.1
IV 1000		85.8	90.5	93.4	94.9	95.1	96.5	97.1	97.3	97.5	97.6	97.6	97.7	97.8	97.9	98.1
IV 900		85.8	90.9	93.4	95.0	95.2	96.6	97.4	97.5	97.7	97.8	97.8	97.9	98.0	98.1	98.3
IV 800		86.0	90.9	93.8	95.4	95.6	97.3	98.1	98.3	98.6	98.7	98.7	98.8	98.9	99.0	99.2
IV 700		86.0	90.9	93.8	95.5	95.6	97.4	98.2	98.6	98.8	99.0	99.0	99.1	99.2	99.2	99.4
IV 600		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	99.9
IV 500		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0
IV 400		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0
IV 300		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0
IV 200		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0
IV 100		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0
IV 0		86.0	90.9	93.8	95.5	95.7	97.7	98.6	98.9	99.2	99.4	99.4	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2514

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

14197 BAB TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING		31.5	32.3	34.2	34.0	35.0	35.3	35.3	35.4	35.6	35.7	35.8	35.8	36.0	36.1	36.4
≥ 20000		37.2	38.3	40.2	40.8	41.0	41.3	41.3	41.4	41.6	41.7	41.8	41.9	42.0	42.1	42.4
IV 18000		37.2	38.3	40.3	40.9	41.0	41.3	41.4	41.4	41.7	41.8	41.9	41.9	42.1	42.1	42.4
IV 16000		37.2	38.3	40.2	40.9	41.0	41.3	41.4	41.4	41.7	41.8	41.9	41.9	42.1	42.1	42.4
IV 14000		37.4	38.5	40.4	41.0	41.2	41.5	41.5	41.6	41.8	41.9	42.0	42.0	42.2	42.3	42.6
IV 12000		37.6	38.8	40.7	41.3	41.4	41.7	41.8	41.9	42.1	42.2	42.3	42.3	42.5	42.5	42.8
IV 10000		39.9	41.0	43.0	43.5	43.8	44.1	44.1	44.2	44.5	44.6	44.7	44.7	44.9	44.9	45.3
IV 9000		41.4	42.3	44.3	43.1	45.3	45.6	45.6	45.7	46.0	46.1	46.2	46.2	46.4	46.5	46.8
IV 8000		46.2	47.6	49.7	50.7	50.9	51.3	51.3	51.4	51.7	51.8	51.8	51.9	52.1	52.1	52.5
IV 7000		49.0	50.8	52.9	53.9	54.2	54.6	54.6	54.7	55.0	55.1	55.2	55.2	55.4	55.5	55.8
IV 6000		51.2	53.1	55.3	56.3	56.6	57.0	57.0	57.1	57.4	57.5	57.6	57.6	57.9	57.9	58.2
IV 5000		54.3	56.4	58.6	59.6	59.8	60.3	60.3	60.4	60.7	60.8	60.9	61.0	61.2	61.2	61.5
IV 4500		56.1	58.2	60.5	61.5	61.8	62.2	62.3	62.4	62.7	62.8	62.9	63.0	63.2	63.2	63.6
IV 4000		60.1	62.4	64.9	65.9	66.2	66.6	66.7	66.9	67.1	67.2	67.4	67.4	67.7	67.7	68.0
IV 3500		64.6	67.3	69.9	70.9	71.3	71.8	71.9	72.1	72.3	72.5	72.6	72.6	72.9	72.9	73.2
IV 3000		68.8	72.1	75.1	76.3	76.7	77.3	77.4	77.5	77.8	78.0	78.1	78.1	78.4	78.4	78.7
IV 2500		72.2	76.0	79.3	80.8	81.2	81.8	81.9	82.0	82.3	82.5	82.6	82.6	82.9	82.9	83.2
IV 2000		74.6	79.0	82.0	84.6	85.0	85.7	85.8	85.9	86.2	86.4	86.5	86.5	86.7	86.8	87.1
IV 1800		75.6	80.3	84.3	85.9	86.3	87.1	87.2	87.4	87.6	87.8	87.9	87.9	88.2	88.2	88.5
IV 1500		76.9	82.2	86.6	88.3	88.9	89.8	90.0	90.2	90.5	90.7	90.8	90.8	91.0	91.1	91.4
IV 1200		77.7	83.4	88.3	90.3	91.3	92.3	92.7	92.8	93.1	93.3	93.4	93.4	93.7	93.7	94.0
IV 1000		78.1	84.0	89.0	91.4	92.2	93.3	94.1	94.2	94.7	94.8	94.9	94.9	95.2	95.2	95.6
IV 900		78.3	84.3	89.4	91.8	92.6	94.1	94.6	94.7	95.3	95.4	95.5	95.6	95.8	95.9	96.2
IV 800		78.4	84.7	89.7	92.3	93.2	94.7	95.4	95.5	96.2	96.4	96.5	96.6	96.8	96.8	97.2
IV 700		78.4	84.7	89.9	92.4	93.3	93.0	93.8	93.9	96.8	96.8	96.9	97.0	97.1	97.3	97.7
IV 600		78.4	84.7	90.0	92.5	93.4	93.3	96.5	96.7	97.0	97.7	97.8	97.9	98.1	98.2	98.5
IV 500		78.4	84.7	90.1	92.6	93.5	93.5	96.8	97.2	98.1	98.3	98.4	98.5	98.7	98.7	99.1
IV 400		78.4	84.7	90.1	92.7	93.6	93.6	96.9	97.2	98.4	98.6	98.7	98.8	99.0	99.1	99.6
IV 300		78.4	84.7	90.1	92.7	93.6	93.6	97.0	97.3	98.6	98.9	99.0	99.1	99.3	99.4	99.9
IV 200		78.4	84.7	90.1	92.7	93.6	93.6	97.0	97.3	98.6	98.9	99.0	99.1	99.3	99.4	100.0
IV 100		78.4	84.7	90.1	92.7	93.6	93.6	97.0	97.3	98.6	98.9	99.0	99.1	99.3	99.4	100.0
IV 0		78.4	84.7	90.1	92.7	93.6	93.6	97.0	97.3	98.6	98.9	99.0	99.1	99.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 2712

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY (OF OCCURRENCE)
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000	36.7	34.4	40.7	42.2	42.6	43.2	43.6	43.6	44.1	44.4	44.5	44.9	45.5	45.8	46.2	
IV 18000	42.1	44.1	46.6	48.1	48.5	49.1	49.6	49.6	50.1	50.5	50.6	51.0	51.6	51.9	52.4	
IV 16000	42.1	44.1	46.6	48.1	48.5	49.1	49.6	49.6	50.1	50.5	50.6	51.0	51.6	51.9	52.4	
IV 14000	42.1	44.1	46.6	48.1	48.5	49.1	49.6	49.6	50.1	50.5	50.6	51.0	51.6	51.9	52.4	
IV 12000	42.6	44.5	47.0	48.6	48.9	49.6	50.0	50.5	50.6	51.0	51.1	51.5	52.1	52.4	52.9	
IV 10000	44.9	46.9	49.4	51.0	51.3	51.9	52.4	52.5	53.0	53.4	53.5	53.9	54.5	54.8	55.3	
IV 9000	45.0	48.0	50.5	52.1	52.4	53.0	53.5	53.6	54.1	54.5	54.6	55.0	55.6	55.9	56.4	
IV 8000	48.5	51.0	53.6	55.3	55.7	56.4	56.9	57.0	57.5	57.9	58.1	58.4	59.1	59.4	59.9	
IV 7000	51.1	53.9	56.5	58.4	58.8	59.6	60.1	60.1	60.7	61.1	61.2	61.6	62.3	62.6	63.0	
IV 6000	52.8	55.7	58.4	60.4	60.8	61.6	62.1	62.1	62.6	63.0	63.2	63.6	64.2	64.5	65.0	
IV 5000	55.1	58.1	60.9	62.9	63.2	64.0	64.5	64.6	65.1	65.5	65.7	66.0	66.7	67.0	67.5	
IV 4500	57.0	60.1	62.9	64.9	65.3	66.1	66.6	66.6	67.1	67.5	67.7	68.1	68.8	69.0	69.5	
IV 4000	59.4	62.9	65.7	67.7	68.1	68.9	69.4	69.5	70.0	70.4	70.5	70.9	71.6	71.9	72.2	
IV 3500	62.7	66.4	69.6	71.7	72.1	72.9	73.4	73.6	74.1	74.5	74.7	75.1	75.7	76.0	76.5	
IV 3000	57.1	71.5	74.9	77.4	77.9	78.8	79.3	79.3	80.0	80.4	80.7	81.0	81.7	82.0	82.5	
IV 2500	59.8	74.4	78.1	80.8	81.2	82.4	83.0	83.2	83.8	84.2	84.4	84.8	85.4	85.7	86.2	
IV 2000	71.0	75.7	79.9	83.3	83.7	85.1	85.8	86.0	86.6	87.0	87.2	87.5	88.2	88.5	89.0	
IV 1800	71.2	75.9	80.3	83.7	84.2	85.6	86.3	86.4	87.0	87.4	87.7	88.0	88.7	89.0	89.3	
IV 1500	71.8	76.7	81.8	85.6	86.1	87.9	88.6	88.8	89.5	89.9	90.1	90.4	91.1	91.4	91.9	
IV 1200	72.1	77.2	82.4	85.6	87.1	87.9	90.2	90.4	91.1	91.5	91.7	92.1	92.7	93.1	93.6	
IV 1000	72.2	77.4	82.8	87.1	87.7	90.1	91.1	91.4	92.2	92.7	92.9	93.3	94.0	94.3	94.8	
IV 900	72.3	77.5	83.0	87.5	88.2	90.8	91.9	92.2	93.0	93.4	93.7	94.1	94.8	95.1	95.6	
IV 800	72.3	77.6	83.2	87.7	88.5	91.1	92.2	92.6	93.4	93.9	94.2	94.6	95.2	95.5	96.0	
IV 700	72.4	77.6	83.2	87.9	88.8	91.6	92.9	93.3	94.3	94.8	95.1	95.5	96.2	96.5	97.0	
IV 600	72.5	77.6	83.2	87.9	88.9	91.7	93.0	93.5	94.6	95.1	95.5	95.9	96.5	96.8	97.3	
IV 500	72.4	77.6	83.2	87.9	88.9	91.8	93.2	93.7	94.9	95.6	96.1	96.6	97.2	97.5	98.1	
IV 400	72.4	77.6	83.2	87.9	88.9	91.8	93.3	94.0	95.4	96.3	96.8	97.2	98.0	98.3	98.9	
IV 300	72.4	77.6	83.2	87.9	88.9	91.8	93.3	94.0	95.6	96.5	97.1	97.7	98.5	98.8	99.6	
IV 200	72.4	77.6	83.2	87.9	88.9	91.8	93.3	94.0	95.6	96.5	97.1	97.8	98.6	98.9	99.3	
IV 100	72.4	77.6	83.2	87.9	88.9	91.8	93.3	94.0	95.6	96.5	97.1	97.8	98.6	99.0	100.0	
IV 0	72.4	77.6	83.2	87.9	88.9	91.8	93.3	94.0	95.6	96.5	97.1	97.8	98.6	99.0	100.0	

TOTAL NUMBER OF OBSERVATIONS

2730

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 94197 BAD TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING		45.1	46.6	48.3	48.8	49.1	49.5	49.9	50.0	50.3	50.6	50.7	51.0	51.4	51.6	52.0
≥ 20000		48.7	50.3	52.2	52.7	53.1	53.6	53.9	54.0	54.4	54.7	54.8	55.1	55.5	55.7	56.1
≥ 18000		48.9	50.4	52.3	51.9	53.3	53.7	54.1	54.2	54.5	54.8	54.9	55.2	55.7	55.8	56.3
≥ 16000		48.9	50.4	52.4	52.9	53.3	53.7	54.1	54.2	54.5	54.8	54.9	55.2	55.7	55.8	56.3
≥ 14000		49.0	50.5	52.4	53.0	53.4	53.8	54.2	54.3	54.7	54.9	55.0	55.3	55.8	55.9	56.4
≥ 12000		49.3	51.0	52.9	53.5	53.9	54.3	54.7	54.8	55.2	55.4	55.5	55.8	56.3	56.5	56.9
≥ 10000		51.1	52.7	54.6	55.2	55.6	56.0	56.4	56.5	56.9	57.1	57.2	57.5	58.0	58.2	58.6
≥ 9000		52.1	53.7	55.6	56.1	56.6	57.0	57.4	57.5	57.9	58.2	58.3	58.6	59.0	59.2	59.6
≥ 8000		54.3	55.9	57.9	58.4	58.8	59.2	59.7	59.8	60.1	60.4	60.5	60.8	61.3	61.4	61.7
≥ 7000		56.2	57.8	59.8	60.3	60.7	61.2	61.6	61.7	62.0	62.3	62.5	62.8	63.3	63.4	63.9
≥ 6000		56.8	58.4	60.4	60.9	61.4	61.9	62.2	62.4	62.7	63.0	63.1	63.4	64.0	64.1	64.5
≥ 5000		59.4	61.2	63.3	64.0	64.5	65.0	65.3	65.5	65.6	66.1	66.2	66.5	67.1	67.2	67.6
≥ 4500		61.0	62.8	64.9	65.7	66.1	66.6	67.0	67.1	67.5	67.7	67.9	68.2	68.7	68.8	69.2
≥ 4000		63.2	65.1	67.2	68.0	68.4	68.9	69.3	69.4	69.8	70.1	70.2	70.5	71.0	71.2	71.6
≥ 3500		64.9	66.8	69.0	69.7	70.2	70.8	71.2	71.3	71.7	72.0	72.1	72.4	72.9	73.1	73.5
≥ 3000		67.3	69.4	71.9	72.8	73.4	74.0	74.4	74.5	74.9	75.2	75.3	75.6	76.1	76.3	76.7
≥ 2500		69.7	72.3	75.0	75.9	76.5	77.1	77.5	77.6	78.0	78.3	78.4	78.7	79.3	79.4	79.8
≥ 2000		71.2	73.7	76.6	77.6	78.3	79.0	79.5	79.6	80.0	80.3	80.4	80.7	81.2	81.4	81.8
≥ 1800		71.8	74.7	77.9	78.9	79.6	80.4	80.9	81.0	81.4	81.6	81.8	82.1	82.6	82.7	83.2
≥ 1500		73.2	76.2	79.5	80.7	81.6	82.3	83.0	83.1	83.5	83.8	83.9	84.2	84.7	84.9	85.3
≥ 1200		73.5	76.9	80.3	81.8	82.9	83.8	84.5	84.7	85.3	85.6	85.7	86.0	86.5	86.6	87.1
≥ 1000		73.9	77.2	81.1	82.9	84.4	85.6	86.6	86.9	87.6	87.8	88.0	88.3	88.8	88.9	89.4
≥ 900		73.9	77.3	81.3	83.4	84.7	86.2	87.3	87.6	88.3	88.6	88.7	89.0	89.5	89.7	90.2
≥ 800		73.9	77.3	81.3	83.4	85.1	86.6	88.0	88.4	89.3	89.5	89.7	90.0	90.5	90.6	91.1
≥ 700		73.9	77.3	81.3	83.4	85.6	87.3	89.3	90.2	91.1	91.4	91.7	91.9	92.2	92.7	93.3
≥ 600		73.9	77.3	81.3	83.4	85.8	87.7	90.2	91.1	92.9	93.4	93.6	93.9	94.4	94.5	95.0
≥ 500		73.9	77.3	81.9	84.2	86.0	88.0	90.8	91.9	94.4	95.0	95.3	95.6	96.3	96.3	96.9
≥ 400		73.9	77.3	81.9	84.2	86.0	88.0	90.9	91.9	94.9	95.8	96.2	96.8	97.7	97.8	98.4
≥ 300		73.9	77.3	81.9	84.2	86.0	88.0	90.9	91.9	95.0	96.1	96.6	97.1	98.3	98.5	99.1
≥ 200		73.9	77.3	81.9	84.2	86.0	88.0	90.9	91.9	95.0	96.1	96.6	97.1	98.3	98.5	99.1
≥ 100		73.9	77.3	81.9	84.2	86.0	88.0	90.9	91.9	95.0	96.1	96.6	97.1	98.3	98.5	99.1
≥ 0		73.9	77.3	81.9	84.2	86.0	88.0	90.9	91.9	95.0	96.1	96.6	97.1	98.3	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 2935

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 8AP TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .58	≥ .5	≥ .4	≥ .3	≥ .25
N - CEILING ≥ 20000	25.5	26.2	27.1	27.5	27.8	28.0	28.4	28.4	28.6	28.6	28.6	28.7	28.9	28.9	29.1	29.1
IV - 8000	31.1	32.1	33.0	33.5	33.8	34.1	34.5	34.6	34.7	34.7	34.7	34.8	35.1	35.1	35.2	35.2
IV - 14000	31.1	32.1	33.0	33.5	33.8	34.1	34.5	34.6	34.7	34.7	34.7	34.8	35.1	35.1	35.2	35.2
IV - 12000	31.3	32.2	33.2	33.7	34.0	34.3	34.7	34.8	34.9	34.9	34.9	35.0	35.2	35.2	35.4	35.4
IV - 10000	31.8	32.7	33.7	34.2	34.5	34.8	35.2	35.2	35.3	35.4	35.4	35.5	35.7	35.7	35.8	35.8
IV - 9000	34.0	35.0	36.0	36.6	36.9	37.2	37.6	37.7	37.8	37.8	37.9	38.0	38.2	38.2	38.3	38.3
IV - 8000	36.5	37.5	38.6	39.4	39.7	40.1	40.6	40.6	40.8	40.8	40.9	41.0	41.2	41.2	41.4	41.4
IV - 7000	39.1	40.1	41.2	42.0	42.4	42.8	43.3	43.4	43.6	43.7	43.8	43.9	44.1	44.1	44.3	44.3
IV - 6000	40.5	41.6	42.6	43.2	43.9	44.3	44.9	45.0	45.2	45.3	45.3	45.4	45.7	45.7	45.8	45.8
IV - 5000	43.2	44.4	45.6	46.5	46.9	47.3	47.9	48.0	48.2	48.3	48.4	48.5	48.7	48.7	48.9	48.9
IV - 4500	45.5	46.5	47.8	48.7	49.1	49.5	50.1	50.2	50.4	50.5	50.6	50.7	50.9	50.9	51.1	51.1
IV - 4000	47.5	48.8	50.0	51.0	51.5	52.1	52.7	52.8	53.1	53.2	53.3	53.4	53.6	53.6	53.8	53.8
IV - 3500	50.0	51.4	52.9	53.8	54.3	55.1	55.8	55.9	56.2	56.3	56.3	56.4	56.7	56.7	56.9	56.9
IV - 3000	52.1	53.7	55.4	56.6	57.3	58.1	58.8	58.9	59.2	59.3	59.4	59.5	59.7	59.7	59.9	59.9
IV - 2500	55.0	56.9	59.0	60.6	61.5	62.3	63.0	63.1	63.5	63.6	63.6	63.7	63.9	63.9	64.1	64.1
IV - 2000	56.7	59.0	61.5	63.4	64.3	65.2	66.0	66.1	66.4	66.5	66.6	66.7	66.9	66.9	67.1	67.1
IV - 1800	57.4	59.9	62.6	64.6	65.5	66.6	67.4	67.6	67.9	68.0	68.0	68.1	68.4	68.4	68.6	68.6
IV - 1500	58.7	61.5	64.6	67.1	68.2	69.3	70.6	70.9	71.3	71.4	71.5	71.6	71.8	71.8	72.0	72.0
IV - 1200	59.7	62.7	66.4	69.3	70.6	72.2	73.6	73.9	74.4	74.5	74.6	74.7	74.9	74.9	75.1	75.1
IV - 1000	60.0	63.3	67.3	70.7	72.1	74.3	76.1	76.6	77.4	77.7	77.8	77.9	78.1	78.1	78.3	78.3
IV - 900	60.2	63.5	67.6	71.2	72.7	75.3	77.1	77.6	78.6	78.9	79.1	79.2	79.5	79.5	79.7	79.7
IV - 800	60.2	63.6	67.8	71.6	73.1	76.3	78.5	79.2	80.6	81.0	81.1	81.3	81.6	81.6	81.8	81.8
IV - 700	60.3	63.7	68.0	72.0	73.7	77.5	80.2	81.0	82.6	83.6	83.9	84.2	84.5	84.5	84.7	84.7
IV - 600	60.6	63.8	68.2	72.3	74.0	78.2	81.2	82.2	84.3	85.5	86.0	86.5	86.9	86.9	87.1	87.1
IV - 500	60.4	63.3	68.3	72.5	74.2	78.8	82.4	83.7	86.7	88.3	89.0	89.7	90.2	90.2	90.5	90.5
IV - 400	60.4	63.8	68.3	72.5	74.3	79.1	83.0	84.7	88.0	90.0	90.7	91.8	92.4	92.4	92.9	92.9
IV - 300	60.4	63.8	68.3	72.5	74.3	79.1	83.2	85.1	89.0	91.3	92.1	93.7	95.0	95.1	96.3	96.3
IV - 200	60.4	63.8	68.3	72.5	74.3	79.1	83.2	85.1	89.0	91.4	92.3	94.1	96.0	96.0	98.2	98.2
IV - 100	60.4	63.8	68.3	72.5	74.3	79.1	83.2	85.1	89.0	91.4	92.3	94.1	96.0	96.0	98.2	98.2
IV - 0	60.4	63.8	68.3	72.5	74.3	79.1	83.2	85.1	89.0	91.4	92.3	94.1	96.0	96.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3044

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/5	≥ 1/10	≥ 1/20
NO CEILING ≥ 20000		20.6	21.7	22.7	22.9	23.1	23.7	24.1	24.1	24.4	24.6	24.8	24.8	25.0	25.2	25.4
IV 18000		23.8	25.2	26.3	26.5	26.7	27.3	27.7	27.7	28.1	28.2	28.3	28.5	28.6	28.8	29.1
IV 16000		23.8	25.2	26.3	26.5	26.7	27.3	27.7	27.7	28.1	28.2	28.4	28.5	28.6	28.8	29.1
IV 14000		24.0	25.3	26.4	26.6	26.8	27.4	27.9	27.9	28.2	28.3	28.6	28.6	28.8	29.0	29.3
IV 12000		24.0	25.3	26.4	26.6	26.8	27.4	27.9	27.9	28.2	28.3	28.6	28.6	28.8	29.0	29.3
IV 10000		25.3	26.7	27.8	28.0	28.2	28.8	29.3	29.3	29.6	29.8	30.0	30.1	30.2	30.4	30.7
IV 9000		26.3	27.7	28.8	29.0	29.2	29.8	30.3	30.3	30.7	30.8	31.0	31.1	31.2	31.5	31.8
IV 8000		28.9	30.4	31.5	31.8	32.0	32.6	33.0	33.0	33.5	33.6	33.8	33.9	34.0	34.3	34.5
IV 7000		31.8	33.3	34.5	34.7	34.9	35.5	36.0	36.0	36.4	36.6	36.8	36.9	37.0	37.3	37.5
IV 6000		33.4	35.0	36.2	36.5	36.7	37.4	37.9	37.9	38.4	38.6	38.8	38.9	39.0	39.3	39.7
IV 5000		35.5	37.2	38.4	38.7	38.9	39.7	40.2	40.2	40.6	40.8	41.1	41.1	41.3	41.5	41.9
IV 4500		37.9	39.6	40.8	41.2	41.4	42.2	42.7	42.7	43.2	43.4	43.6	43.7	43.8	44.1	44.5
IV 4000		39.7	41.5	42.8	43.4	43.5	44.4	45.1	45.1	45.7	45.9	46.1	46.2	46.3	46.6	47.0
IV 3500		42.9	44.8	46.1	46.7	46.9	47.7	48.4	48.5	49.1	49.3	49.6	49.6	49.8	50.0	50.4
IV 3000		46.6	48.7	50.5	51.3	51.6	52.8	53.6	53.7	54.4	54.6	54.9	55.0	55.1	55.3	55.8
IV 2500		50.8	52.9	55.2	56.2	56.9	58.1	58.9	59.0	59.8	60.0	60.2	60.3	60.5	60.7	61.1
IV 2000		52.6	55.6	59.0	60.7	61.4	62.7	63.6	63.7	64.6	64.9	65.1	65.2	65.4	65.6	66.0
IV 1800		53.1	56.3	60.0	61.7	62.4	64.2	65.1	65.2	66.2	66.5	66.7	66.8	66.9	67.2	67.6
IV 1500		54.6	58.1	61.8	64.0	65.0	67.1	68.5	68.6	69.8	70.2	70.4	70.5	70.6	70.9	71.3
IV 1200		55.4	59.4	63.8	66.5	67.8	70.6	72.1	72.5	74.0	74.5	74.9	75.0	75.1	75.3	75.8
IV 1000		55.6	59.8	64.2	67.2	68.7	72.0	74.0	74.4	76.2	76.6	77.3	77.5	77.6	77.9	78.3
IV 900		55.6	59.8	64.2	67.4	68.9	72.5	74.5	75.2	77.4	77.8	78.5	78.9	79.1	79.5	79.9
IV 800		55.6	59.9	64.6	67.8	69.7	73.6	76.4	77.0	79.7	80.8	81.5	81.8	82.0	82.2	82.7
IV 700		55.8	60.2	64.9	68.2	70.3	74.6	77.6	78.4	81.5	82.8	83.8	84.3	84.5	84.7	85.1
IV 600		55.9	60.3	65.1	68.5	70.5	75.2	78.7	79.6	83.3	85.0	86.1	86.6	86.9	87.2	87.6
IV 500		56.0	60.4	65.3	68.7	70.8	75.7	79.4	80.4	84.9	87.1	88.5	89.6	90.2	90.4	90.9
IV 400		56.0	60.4	65.3	68.8	70.9	75.9	80.0	81.1	86.3	88.7	90.4	91.7	92.6	92.9	93.5
IV 300		56.0	60.4	65.4	69.0	71.0	76.4	80.8	82.2	87.9	90.9	92.8	94.2	95.5	96.0	97.0
IV 200		56.0	60.4	65.4	69.0	71.0	76.4	80.9	82.4	88.3	91.4	93.2	95.0	96.8	97.6	99.2
IV 100		56.0	60.4	65.4	69.0	71.0	76.4	80.9	82.4	88.3	91.4	93.2	95.0	96.8	97.7	100.0
IV 0		56.0	60.4	65.4	69.0	71.0	76.4	80.9	82.4	88.3	91.4	93.2	95.0	96.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 2875

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197

BAD TOLZ GERMANY AAF

69

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CJ-070

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 1/8	≥ 1/16
NO CEILING ≥ 20000															
IV 18000 IV 16000															
IV 14000 IV 12000															
IV 10000 IV 9000															
IV 8000 IV 7000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 6000 IV 5000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4500 IV 4000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3500 IV 3000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2500 IV 2000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1800 IV 1500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1200 IV 1000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 900 IV 800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 700 IV 600	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 500 IV 400	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 300 IV 200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 100 IV 0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

TOTAL NUMBER OF OBSERVATIONS

2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

66-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		22.8	22.8	24.1	24.6	24.6	26.8	27.2	27.7	29.5	29.5	30.4	30.4	31.3	31.7	32.1
≥ 20000		24.6	24.6	25.9	26.3	26.3	28.6	29.0	29.5	31.3	31.3	32.1	32.1	33.0	33.5	33.9
≥ 18000		24.6	24.6	25.9	26.3	26.3	28.6	29.0	29.5	31.3	31.3	32.1	32.1	33.0	33.5	33.9
≥ 16000		24.6	24.6	25.9	26.3	26.3	28.6	29.0	29.5	31.3	31.3	32.1	32.1	33.0	33.5	33.9
≥ 14000		24.6	24.6	25.9	26.3	26.3	28.6	29.0	29.5	31.3	31.3	32.1	32.1	33.0	33.5	33.9
≥ 12000		24.6	24.6	25.9	26.3	26.3	28.6	29.0	29.5	31.3	31.3	32.1	32.1	33.0	33.5	33.9
≥ 10000		27.2	27.2	28.6	29.0	29.0	31.3	31.7	32.1	33.9	33.9	34.8	34.8	35.7	36.2	36.6
≥ 9000		28.1	28.1	29.5	29.9	29.9	32.1	32.6	33.0	34.8	34.8	35.7	35.7	36.6	37.1	37.5
≥ 8000		30.4	30.4	31.7	32.1	32.1	34.4	34.8	35.3	37.1	37.1	37.9	37.9	38.8	39.3	39.7
≥ 7000		30.8	30.8	32.1	32.6	32.6	34.8	35.3	35.7	37.5	37.5	38.4	38.4	39.3	39.7	40.2
≥ 6000		32.1	32.1	33.5	33.9	33.9	36.2	36.6	37.1	38.8	38.8	39.7	39.7	40.6	41.1	41.5
≥ 5000		36.2	36.2	37.5	37.9	37.9	40.2	40.6	41.1	42.9	42.9	43.8	43.8	44.6	45.1	45.5
≥ 4500		37.5	37.5	38.8	39.3	39.3	41.5	42.0	42.4	44.2	44.2	45.1	45.1	46.0	46.4	46.9
≥ 4000		38.4	38.8	40.2	40.6	40.6	42.9	43.3	43.8	45.5	45.5	46.4	46.4	47.3	47.8	48.2
≥ 3500		41.5	42.9	44.2	44.6	44.6	46.9	47.3	47.8	49.6	49.6	50.4	50.4	51.3	51.8	52.2
≥ 3000		44.2	46.0	47.8	49.1	49.1	51.3	51.8	52.2	54.5	54.5	55.4	55.4	56.3	56.7	57.1
≥ 2500		46.4	49.1	50.9	53.1	53.1	55.8	57.1	57.6	59.8	59.8	60.7	60.7	61.6	62.1	62.5
≥ 2000		48.2	51.3	53.1	55.8	56.7	60.2	61.6	62.1	64.3	64.3	65.2	65.2	66.1	66.5	67.0
≥ 1800		48.2	51.8	53.5	57.1	58.0	62.5	63.8	64.3	67.0	67.0	67.9	67.9	68.8	69.2	69.6
≥ 1500		48.2	51.8	53.5	58.5	59.4	64.2	67.4	68.3	71.4	71.4	72.3	72.3	73.2	73.7	74.1
≥ 1200		49.1	52.7	57.1	62.1	62.9	68.8	69.6	73.2	75.0	75.3	75.9	75.9	76.8	77.7	78.6
≥ 1000		49.1	52.7	57.1	62.9	63.8	69.6	70.5	74.6	76.3	76.3	77.2	77.2	78.1	78.6	79.1
≥ 900		49.6	53.1	57.6	63.4	64.3	70.5	71.0	75.0	76.8	76.8	77.7	77.7	78.6	79.1	79.6
≥ 800		49.6	53.1	57.6	63.4	64.3	71.0	72.0	77.2	78.6	78.6	79.5	79.5	80.4	80.9	81.4
≥ 700		50.0	53.5	58.0	64.7	65.6	72.3	73.2	79.5	81.7	81.7	82.6	82.6	83.5	84.0	84.5
≥ 600		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3
≥ 500		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3
≥ 400		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3
≥ 300		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3
≥ 200		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3
≥ 100		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3
≥ 0		50.0	54.5	60.2	66.1	67.0	74.6	75.5	81.7	83.5	83.5	84.4	84.4	85.3	85.8	86.3

TOTAL NUMBER OF OBSERVATIONS

224

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

8AD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

65-70

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING		22.5	22.7	23.9	24.3	24.5	25.5	25.9	25.9	26.8	26.8	27.5	27.9	28.6	29.1	29.3
≥ 20000		24.3	24.5	25.7	26.1	26.4	27.3	27.7	27.7	28.6	28.8	29.5	30.0	30.6	31.1	31.3
IV 18000		24.3	24.5	25.7	26.1	26.4	27.3	27.7	27.7	28.6	28.8	29.5	30.0	30.6	31.1	31.3
IV 16000		24.3	24.5	25.7	26.1	26.4	27.3	27.7	27.7	28.6	28.8	29.5	30.0	30.6	31.1	31.3
IV 14000		24.3	24.5	25.7	26.1	26.4	27.3	27.7	27.7	28.6	28.8	29.5	30.0	30.6	31.1	31.3
IV 12000		24.5	24.8	25.9	26.4	26.6	27.5	27.9	27.9	28.3	29.1	29.7	30.2	30.9	31.3	31.5
IV 10000		27.0	27.5	28.4	28.8	29.1	30.0	30.4	30.4	31.3	31.5	32.2	32.7	33.3	33.8	34.5
IV 9000		28.2	28.4	29.5	30.0	30.2	31.1	31.5	31.5	32.4	32.7	33.3	33.8	34.5	34.9	35.1
IV 8000		31.5	31.8	32.9	33.3	33.6	34.5	34.9	34.9	35.8	36.0	36.7	37.2	37.8	38.3	38.5
IV 7000		33.3	33.6	34.7	35.1	35.6	36.5	36.9	36.9	37.8	38.1	38.7	39.2	39.9	40.3	40.5
IV 6000		38.3	38.6	39.7	40.2	40.2	41.7	42.1	42.1	43.0	43.2	43.9	44.4	45.0	45.5	45.7
IV 5000		41.2	41.7	42.8	43.2	43.7	44.6	45.0	45.0	45.9	46.2	46.8	47.3	48.0	48.4	48.6
IV 4500		42.3	42.8	43.9	44.4	44.8	45.7	46.2	46.4	47.3	47.5	48.2	48.6	49.3	49.8	50.0
IV 4000		44.8	45.7	47.1	47.7	48.2	49.1	49.5	49.8	50.7	50.9	51.6	52.0	52.7	53.2	53.6
IV 3500		47.1	48.2	50.2	50.9	51.4	52.3	52.9	53.4	54.3	54.7	55.4	55.9	56.5	57.0	57.2
IV 3000		49.3	50.1	53.4	54.7	55.4	56.3	57.4	57.9	59.2	59.5	60.1	60.6	61.3	61.7	61.9
IV 2500		51.1	52.7	55.6	57.4	58.1	60.6	61.5	61.9	63.5	63.7	64.4	64.9	65.5	66.0	66.2
IV 2000		51.6	52.9	56.3	59.0	59.7	62.4	63.5	64.0	65.5	65.8	66.4	66.9	67.6	68.0	68.2
IV 1800		52.7	54.7	58.8	62.4	63.1	66.9	68.9	69.8	72.1	72.3	73.0	73.4	74.1	74.5	74.8
IV 1500		53.8	56.5	61.0	65.5	66.4	70.7	73.0	74.1	77.3	77.7	78.4	78.8	79.5	80.0	80.2
IV 1200		54.1	56.8	61.7	66.2	67.1	71.6	74.1	75.9	80.2	81.1	81.8	82.2	82.9	83.3	83.6
IV 1000		54.3	57.0	61.9	66.4	67.3	71.8	74.8	76.8	81.3	82.4	83.6	84.0	84.7	85.1	85.4
IV 900		54.5	57.0	61.9	66.4	67.3	71.8	75.0	77.3	82.7	84.2	85.8	86.3	87.2	87.6	87.8
IV 800		54.5	57.7	62.6	67.1	68.0	72.5	76.6	79.1	83.4	84.4	85.2	85.8	86.5	87.0	87.2
IV 700		54.5	58.1	63.1	67.8	68.7	73.4	77.5	80.0	86.7	88.7	91.0	91.7	92.6	93.0	93.2
IV 600		54.5	58.1	63.3	68.0	68.9	73.6	77.7	80.8	87.6	89.6	91.9	92.6	93.7	94.1	94.4
IV 500		54.5	58.1	63.3	68.2	69.1	73.9	77.9	80.9	88.3	91.0	93.2	94.1	95.3	96.4	96.6
IV 400		54.5	58.1	63.3	68.2	69.1	73.9	77.9	81.1	88.5	91.2	93.7	94.6	95.7	96.8	97.3
IV 300		54.5	58.1	63.3	68.2	69.1	73.9	77.9	81.1	88.5	91.2	93.7	95.0	96.6	97.7	99.3
IV 200		54.5	58.1	63.3	68.2	69.1	73.9	77.9	81.1	88.5	91.2	93.7	95.0	96.6	98.0	100.0
IV 100		54.5	58.1	63.3	68.2	69.1	73.9	77.9	81.1	88.5	91.2	93.7	95.0	96.6	98.0	100.0
IV 0		54.5	58.1	63.3	68.2	69.1	73.9	77.9	81.1	88.5	91.2	93.7	95.0	96.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 444

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1965-1970
MONTHS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		24.4	26.5	27.7	28.3	28.7	29.4	29.6	29.6	30.2	30.2	30.2	30.2	30.4	30.4	30.4
≥ 20000		32.4	34.7	35.9	36.6	37.0	37.8	38.0	38.2	39.0	39.0	39.2	39.2	39.4	39.4	39.4
IV 18000		32.7	35.1	36.3	37.0	37.4	38.2	38.4	38.6	39.4	39.4	39.6	39.6	39.8	39.8	39.8
IV 16000		32.7	35.1	36.3	37.0	37.4	38.2	38.4	38.6	39.4	39.4	39.6	39.6	39.8	39.8	39.8
IV 14000		32.7	35.1	36.3	37.0	37.4	38.2	38.4	38.6	39.4	39.4	39.6	39.6	39.8	39.8	39.8
IV 12000		32.7	35.1	36.3	37.0	37.4	38.4	38.6	38.8	39.6	39.6	39.8	39.8	40.0	40.0	40.0
IV 10000		33.9	36.3	37.4	38.2	38.6	39.8	40.0	40.2	40.9	40.9	41.1	41.1	41.3	41.3	41.3
IV 9000		35.1	37.4	38.6	39.4	39.8	40.9	41.1	41.3	42.1	42.1	42.3	42.3	42.5	42.5	42.5
IV 8000		39.2	41.9	43.1	44.1	44.4	45.6	45.8	46.0	46.8	46.8	47.0	47.0	47.2	47.2	47.4
IV 7000		41.3	46.4	45.6	46.6	47.2	48.3	48.5	48.7	49.5	49.5	49.7	49.7	49.9	49.9	50.1
IV 6000		42.7	45.8	47.0	48.0	48.5	49.7	49.9	50.1	50.9	50.9	51.1	51.1	51.3	51.3	51.5
IV 5000		44.8	48.1	49.3	50.7	51.3	52.4	52.6	52.8	53.6	53.6	53.8	53.8	54.0	54.0	54.2
IV 4500		46.2	49.5	50.7	52.0	52.6	53.8	54.0	54.2	55.0	55.0	55.2	55.2	55.4	55.4	55.6
IV 4000		48.7	52.0	53.4	54.8	55.4	56.7	56.9	57.1	57.9	57.9	58.1	58.1	58.3	58.3	58.5
IV 3500		49.5	53.0	54.4	55.8	56.8	57.7	57.9	58.1	59.1	59.1	59.3	59.3	59.5	59.6	59.8
IV 3000		50.9	54.6	56.1	57.5	58.1	59.6	60.0	60.2	61.4	61.4	61.6	61.6	62.0	62.2	62.4
IV 2500		54.6	58.5	60.8	62.4	63.0	64.7	65.1	65.3	67.3	67.3	67.6	67.6	68.0	68.2	68.4
IV 2000		55.6	59.5	62.0	63.9	64.7	66.7	67.4	68.0	70.4	70.6	70.8	70.8	71.2	71.3	71.5
IV 1800		56.5	60.4	63.2	65.1	65.8	68.4	69.4	70.2	72.5	72.5	72.8	72.8	73.1	73.9	74.1
IV 1500		57.5	62.4	65.1	67.4	68.4	71.2	72.5	73.3	75.9	75.9	76.4	76.6	77.0	77.2	77.4
IV 1200		59.5	64.7	67.6	70.0	71.2	74.3	75.4	76.4	81.1	81.1	81.9	81.9	82.3	82.5	82.7
IV 1000		59.8	65.1	68.6	71.2	72.5	75.8	77.0	78.0	83.2	83.2	84.2	84.2	84.6	84.8	85.0
IV 900		59.8	65.1	68.8	71.3	72.9	76.4	78.0	79.8	85.2	85.2	86.4	86.4	86.7	86.9	87.1
IV 800		59.8	65.1	69.0	71.5	73.1	76.8	78.4	79.9	86.2	86.2	87.7	87.7	88.1	88.7	88.9
IV 700		59.8	65.1	69.2	71.7	73.3	77.0	78.6	80.9	87.7	87.7	90.1	90.4	90.8	91.0	91.2
IV 600		59.8	65.5	69.6	72.1	73.7	77.4	79.1	80.9	89.1	89.1	92.2	92.8	93.2	93.8	94.2
IV 500		59.8	65.5	69.8	72.3	73.9	77.6	79.3	81.3	89.9	89.9	93.0	94.0	94.5	95.1	95.3
IV 400		59.8	65.5	69.8	72.3	73.9	77.6	79.3	81.3	90.3	90.3	94.0	95.1	96.3	96.9	97.5
IV 300		59.8	65.5	69.8	72.3	73.9	77.6	79.3	81.3	90.4	90.4	94.2	96.1	97.3	98.2	98.6
IV 200		59.8	65.5	69.8	72.3	73.9	77.6	79.3	81.3	90.4	90.4	94.2	96.1	97.3	98.2	98.6
IV 100		59.8	65.5	69.8	72.3	73.9	77.6	79.3	81.3	90.4	90.4	94.2	96.1	97.3	98.2	98.6
IV 0		59.8	65.5	69.8	72.3	73.9	77.6	79.3	81.3	90.4	90.4	94.2	96.1	97.3	98.2	98.6

TOTAL NUMBER OF OBSERVATIONS 513

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TULZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		29.0	30.6	32.6	33.8	34.0	34.6	34.8	34.8	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000		37.8	39.4	41.6	42.6	43.0	43.8	44.0	44.2	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 18000		38.0	39.6	41.6	42.6	43.2	44.0	44.2	44.4	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 16000		38.0	39.6	41.6	42.6	43.2	44.0	44.2	44.4	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 14000		38.2	39.8	41.8	43.0	43.4	44.2	44.4	44.6	45.2	45.2	45.2	45.2	45.2	45.2	45.2
IV 12000		38.4	40.0	42.0	43.2	43.6	44.4	44.6	44.8	45.4	45.4	45.4	45.4	45.4	45.4	45.4
IV 10000		40.2	41.8	43.8	45.0	45.4	46.2	46.4	46.6	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 9000		42.6	44.0	46.0	47.2	47.6	48.4	48.6	48.8	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 8000		43.8	45.4	47.4	48.6	49.0	50.0	51.0	51.8	52.0	52.2	52.8	52.8	52.8	52.8	52.8
IV 7000		48.0	49.6	51.6	53.0	53.4	54.2	54.4	54.6	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 6000		49.6	51.2	53.2	54.6	55.0	55.8	56.0	56.2	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 5000		52.0	53.6	55.6	57.4	57.8	58.6	58.8	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 4500		53.0	54.6	57.0	58.8	59.2	60.0	60.2	60.4	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 4000		53.2	54.8	57.2	59.2	61.6	62.4	62.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 3500		56.0	58.0	60.4	62.4	63.0	63.8	64.0	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 3000		56.8	59.6	62.0	64.0	64.6	65.4	65.6	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 2500		59.2	62.4	65.2	67.4	68.0	68.8	69.0	69.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 2000		60.8	64.4	67.8	70.2	70.8	71.8	72.0	72.4	73.8	74.0	74.0	74.0	74.0	74.4	74.4
IV 1800		61.2	64.8	68.0	71.4	72.0	73.4	73.6	74.0	75.4	75.6	75.6	75.6	75.6	76.0	76.0
IV 1500		62.0	66.2	70.0	72.8	73.6	75.0	75.8	76.2	77.8	78.0	78.0	78.0	78.0	78.4	78.4
IV 1200		64.4	68.8	73.4	76.4	77.6	79.4	80.8	81.8	83.8	84.2	84.2	84.2	84.2	84.6	84.6
IV 1000		64.8	69.2	74.0	77.2	78.6	80.6	82.2	83.2	85.8	87.0	87.0	87.0	87.0	87.4	87.4
IV 900		64.8	69.2	74.0	77.2	78.6	81.0	83.6	84.2	87.2	88.4	88.4	88.4	88.4	89.0	89.0
IV 800		64.8	69.2	74.0	77.2	78.6	81.0	83.6	84.2	87.2	88.4	88.4	88.4	88.4	89.0	89.0
IV 700		64.8	69.2	74.0	77.2	78.6	81.0	83.6	84.2	87.2	88.4	88.4	88.4	88.4	89.0	89.0
IV 600		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4
IV 500		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4
IV 400		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4
IV 300		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4
IV 200		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4
IV 100		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4
IV 0		65.4	69.6	75.0	78.6	80.0	82.4	85.4	86.8	91.6	94.6	95.0	95.0	95.4	95.4	95.4

TOTAL NUMBER OF OBSERVATIONS 500

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAP TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-17

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		29.5	31.1	33.9	34.3	34.3	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
IV 20000		33.5	35.2	38.0	38.6	39.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 18000		33.5	35.2	38.0	38.6	39.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 16000		33.5	35.2	38.0	38.6	39.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 14000		33.5	35.2	38.0	38.6	39.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 12000		33.5	35.2	38.0	38.6	39.2	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 10000		35.2	37.2	40.0	40.7	41.3	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 9000		36.4	38.4	41.3	41.9	42.5	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 8000		39.0	41.1	43.9	44.7	45.3	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 7000		42.1	44.1	47.0	47.8	48.4	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 6000		44.5	46.5	49.4	50.6	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 5000		45.7	47.8	50.6	51.8	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.0
IV 4500		47.0	49.0	51.8	53.0	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3
IV 4000		48.4	50.6	53.7	54.9	55.5	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.5
IV 3500		49.6	52.0	55.1	56.3	56.9	57.3	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.9
IV 3000		51.2	54.1	57.7	59.3	60.0	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.0
IV 2500		53.9	57.5	61.2	62.8	63.4	64.2	64.8	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.7
IV 2000		56.5	60.6	64.8	66.5	67.1	68.1	68.7	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.7
IV 1800		58.7	63.4	67.7	69.9	70.5	71.5	72.2	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.2
IV 1500		60.0	65.2	70.5	72.8	73.8	75.4	76.2	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.2
IV 1200		62.0	67.3	72.8	75.8	77.0	79.9	81.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.7
IV 1000		62.8	68.3	73.6	76.6	78.0	81.5	83.3	84.1	85.3	85.3	85.3	85.3	85.3	85.3	86.8
IV 900		62.8	68.3	73.6	76.6	78.3	81.7	83.7	84.8	86.4	86.4	86.4	86.4	86.4	86.4	87.8
IV 800		62.8	68.3	73.6	76.6	78.3	81.9	83.9	85.0	86.6	86.6	86.6	86.6	86.6	86.6	87.6
IV 700		62.8	68.3	73.6	76.6	78.3	81.9	83.9	85.2	86.0	86.0	86.0	86.0	86.0	86.0	87.6
IV 600		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1
IV 500		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1
IV 400		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1
IV 300		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1
IV 200		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1
IV 100		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1
IV 0		62.8	68.3	73.6	76.6	78.3	82.1	84.3	86.0	89.4	92.7	93.7	93.7	93.7	93.7	94.1

TOTAL NUMBER OF OBSERVATIONS 492

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197

BAP TOLZ GERMANY AAF

66-70

STATION

STATION NAME

YEARS

MONTH

1-12-2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05
NO CEILING		24.8	26.0	28.2	29.3	29.9	30.7	30.7	31.3	31.3	31.3	31.6	31.6	31.8	32.1	32.7
≥ 20000		27.1	28.8	31.0	32.1	32.7	33.5	33.5	34.1	34.1	34.1	34.4	34.4	34.6	34.9	35.5
IV 18000		27.1	28.8	31.0	32.1	32.7	33.5	33.5	34.1	34.1	34.1	34.4	34.4	34.6	34.9	35.5
IV 16000		27.1	28.8	31.0	32.1	32.7	33.5	33.5	34.1	34.1	34.1	34.4	34.4	34.6	34.9	35.5
IV 14000		27.1	28.8	31.0	32.1	32.7	33.5	33.5	34.1	34.1	34.1	34.4	34.4	34.6	34.9	35.5
IV 12000		27.1	28.8	31.0	32.1	32.7	33.5	33.5	34.1	34.1	34.1	34.4	34.4	34.6	34.9	35.5
IV 10000		28.5	30.2	33.0	34.4	34.9	35.8	35.8	36.3	36.3	36.3	36.6	36.6	36.9	37.2	37.7
IV 9000		29.1	30.7	33.5	34.9	35.5	36.3	36.3	36.9	36.9	36.9	37.2	37.2	37.4	37.7	38.3
IV 8000		29.9	31.6	34.4	35.8	36.3	37.2	37.2	37.7	37.7	37.7	38.0	38.0	38.3	38.5	39.1
IV 7000		32.4	34.1	36.9	38.3	38.8	39.7	39.7	40.2	40.2	40.2	40.5	40.5	40.8	41.1	41.6
IV 6000		34.4	36.3	39.9	41.3	41.9	43.0	43.0	43.8	43.8	43.8	43.9	43.9	44.2	44.4	45.0
IV 5000		34.4	36.6	40.2	41.6	42.2	43.9	43.9	44.4	44.4	44.4	44.7	44.7	45.0	45.3	46.1
IV 4500		35.2	37.4	41.3	42.7	43.3	45.0	45.0	45.5	45.5	45.5	45.8	45.8	46.1	46.4	47.2
IV 4000		37.2	39.4	43.3	44.7	45.3	47.2	47.2	48.0	48.0	48.0	48.3	48.3	48.6	48.9	49.7
IV 3500		39.1	41.9	45.8	47.2	47.8	49.7	49.7	50.5	50.5	50.5	51.1	51.1	51.4	51.7	52.5
IV 3000		41.1	43.9	47.8	49.4	50.0	52.2	52.2	53.4	53.4	53.4	53.9	53.9	54.2	54.5	55.3
IV 2500		45.3	48.0	52.2	54.5	55.0	58.9	58.9	60.1	60.1	60.1	60.9	60.9	61.2	61.5	62.3
IV 2000		46.6	50.0	54.7	57.5	58.1	62.3	62.3	63.4	63.4	63.4	64.0	64.0	64.2	64.5	65.6
IV 1800		46.6	50.0	54.7	57.5	58.1	63.1	63.1	64.2	64.2	64.2	64.8	64.8	65.1	65.4	66.5
IV 1500		48.6	52.2	57.8	61.7	62.3	68.2	68.2	69.3	69.3	69.3	70.4	70.4	70.7	70.9	72.1
IV 1200		49.7	53.6	59.2	64.0	65.4	72.9	72.9	74.0	74.0	74.0	75.3	75.3	75.6	75.9	78.2
IV 1000		50.0	53.6	59.5	64.2	65.6	73.2	73.2	75.7	75.7	75.7	77.9	77.9	78.3	78.8	79.9
IV 900		50.0	53.6	59.8	64.3	66.2	74.3	74.3	77.1	77.1	77.1	79.8	79.8	80.2	80.7	81.6
IV 800		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	80.7	80.7	81.6	82.7	83.8
IV 700		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 600		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 500		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 400		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 300		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 200		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 100		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0
IV 0		50.0	53.6	59.8	65.1	66.5	75.4	75.4	78.2	78.2	78.2	81.6	81.6	82.7	83.8	85.0

TOTAL NUMBER OF OBSERVATIONS 358

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197

DAB TOLZ GERMANY AAF

67-68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

710-230

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BA9 TOLZ GERMANY AAF

67

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-020

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅓	≥ ⅓	≥ ⅓	≥ ⅓
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANIA AAF

56-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING		26.3	27.2	28.4	29.6	29.6	30.0	30.0	30.0	30.5	30.5	30.5	30.5	30.9	31.7	32.5
≥ 20000		28.4	29.6	31.3	32.5	32.5	32.9	32.9	32.9	33.3	33.3	33.3	33.3	33.7	34.6	35.4
IV 18000		28.4	29.6	31.3	32.5	32.5	32.9	32.9	32.9	33.3	33.3	33.3	33.3	33.7	34.6	35.4
IV 16000		28.4	29.6	31.3	32.5	32.5	32.9	32.9	32.9	33.3	33.3	33.3	33.3	33.7	34.6	35.4
IV 14000		28.4	29.6	31.3	32.5	32.5	32.9	32.9	32.9	33.3	33.3	33.3	33.3	33.7	34.6	35.4
IV 12000		28.4	29.6	31.3	32.5	32.5	32.9	32.9	32.9	33.3	33.3	33.3	33.3	33.7	34.6	35.4
IV 10000		29.2	31.3	31.9	34.2	34.2	34.6	34.6	34.6	35.0	35.0	35.0	35.0	35.4	36.2	37.0
IV 9000		31.7	32.7	35.4	36.6	36.6	37.0	37.0	37.0	37.4	37.4	37.4	37.4	37.9	38.7	39.5
IV 8000		34.6	36.6	38.3	39.5	39.5	39.9	39.9	39.9	40.3	40.3	40.3	40.3	40.7	41.6	42.4
IV 7000		35.8	37.9	40.3	41.6	41.6	42.0	42.4	42.4	42.8	42.8	42.8	42.8	43.2	44.0	44.9
IV 6000		36.2	38.3	40.7	42.0	42.0	42.4	42.8	42.8	43.2	43.2	43.2	43.2	43.6	44.4	45.3
IV 5000		39.9	42.4	44.9	46.1	46.1	46.5	46.9	46.9	47.3	47.3	47.3	47.3	47.7	48.6	49.4
IV 4500		42.8	45.3	47.7	49.0	49.0	49.4	49.8	49.8	50.2	50.2	50.2	50.2	50.6	51.4	52.3
IV 4000		45.3	47.7	50.2	51.4	51.4	51.9	52.3	52.3	52.7	52.7	52.7	52.7	53.1	53.9	54.7
IV 3500		48.6	51.0	53.5	54.7	54.7	55.1	55.5	55.5	56.0	56.0	56.0	56.0	56.4	57.2	58.0
IV 3000		51.0	53.5	56.0	57.2	57.2	57.6	58.0	58.0	58.4	58.4	58.4	58.4	58.8	59.7	60.5
IV 2500		58.0	58.4	60.5	62.1	62.1	62.5	62.9	62.9	64.2	64.2	64.2	64.2	64.6	65.4	66.7
IV 2000		58.0	60.5	63.0	64.2	64.2	64.6	65.0	65.0	66.3	66.3	66.3	66.3	66.7	67.9	68.7
IV 1800		60.1	62.6	65.0	66.3	66.3	66.7	67.1	67.1	68.4	68.4	68.4	68.4	68.8	69.7	70.5
IV 1500		60.9	63.8	66.3	67.5	67.5	67.9	68.3	68.3	69.7	69.7	69.7	69.7	70.1	70.9	71.6
IV 1200		62.1	65.0	67.9	69.1	69.1	69.5	69.9	69.9	71.2	71.2	71.2	71.2	71.6	72.4	73.2
IV 1000		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 900		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 800		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 700		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 600		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 500		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 400		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 300		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 200		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 100		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6
IV 0		62.1	65.0	67.9	69.5	69.5	69.9	70.3	70.3	71.6	71.6	71.6	71.6	72.0	72.8	73.6

TOTAL NUMBER OF OBSERVATIONS 243

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

84197
STATION

6AD TOLZ GERMANY AAF
STATION NAME

65-70
ELEVATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2670-020
DATE

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05
NO CEILING		25.3	26.3	26.7	27.4	27.4	27.4	27.7	27.7	28.1	28.1	28.1	28.1	28.4
≥ 20000		29.3	30.9	31.6	32.3	32.3	32.3	32.6	32.6	33.0	33.0	33.0	33.0	33.3
≥ 18000		29.3	30.9	31.6	32.3	32.3	32.3	32.6	32.6	33.0	33.0	33.0	33.0	33.3
≥ 16000		29.3	30.9	31.6	32.3	32.3	32.3	32.6	32.6	33.0	33.0	33.0	33.0	33.3
≥ 14000		29.8	31.4	32.1	32.8	32.8	32.8	33.0	33.0	33.5	33.5	33.5	33.5	33.7
≥ 12000		30.2	31.9	32.6	33.3	33.3	33.3	33.5	33.5	34.0	34.0	34.0	34.0	34.2
≥ 10000		32.1	33.7	34.4	35.1	35.1	35.1	35.3	35.3	35.8	35.8	35.8	35.8	36.0
≥ 9000		33.0	34.7	35.4	36.0	36.0	36.0	36.3	36.3	36.7	36.7	36.7	36.7	37.0
≥ 8000		37.2	38.8	39.1	40.2	40.2	40.2	40.5	40.5	40.9	40.9	40.9	40.9	41.2
≥ 7000		39.5	41.6	42.3	43.0	43.0	43.0	43.3	43.3	43.7	43.7	43.7	43.7	44.0
≥ 6000		42.1	44.4	45.1	45.8	45.8	45.8	46.0	46.0	46.5	46.5	46.5	46.5	46.7
≥ 5000		45.1	47.4	48.1	48.8	48.8	48.8	49.1	49.1	49.5	49.5	49.5	49.5	49.8
≥ 4500		48.6	51.2	52.1	52.8	52.8	52.8	53.0	53.0	53.5	53.5	53.5	53.5	53.7
≥ 4000		50.7	53.3	54.2	54.9	54.9	54.9	55.1	55.1	55.6	55.6	55.6	55.6	55.8
≥ 3500		54.4	57.0	57.9	58.6	58.6	58.6	58.8	58.8	59.3	59.3	59.3	59.3	59.5
≥ 3000		58.8	61.9	62.0	63.7	63.7	63.7	64.0	64.0	64.4	64.4	64.4	64.4	64.7
≥ 2500		62.8	66.3	67.7	68.6	68.6	68.6	69.1	69.1	70.2	70.2	70.2	70.2	70.5
≥ 2000		66.7	70.2	70.7	71.6	71.6	71.6	72.1	72.1	72.7	72.7	72.7	72.7	73.0
≥ 1800		68.7	72.6	73.0	73.8	73.8	73.8	74.3	74.3	74.9	74.9	74.9	74.9	75.1
≥ 1500		69.7	73.6	74.2	75.3	75.3	75.3	75.9	75.9	76.6	76.6	76.6	76.6	76.8
≥ 1200		70.7	74.6	75.1	76.2	76.2	76.2	76.9	76.9	77.6	77.6	77.6	77.6	77.8
≥ 1000		71.7	75.6	76.1	77.2	77.2	77.2	77.9	77.9	78.6	78.6	78.6	78.6	78.8
≥ 900		72.7	76.6	77.1	78.2	78.2	78.2	78.9	78.9	79.6	79.6	79.6	79.6	79.8
≥ 800		73.7	77.6	78.1	79.2	79.2	79.2	80.0	80.0	80.7	80.7	80.7	80.7	80.9
≥ 700		74.7	78.6	79.1	80.2	80.2	80.2	81.0	81.0	81.7	81.7	81.7	81.7	81.9
≥ 600		75.7	79.6	80.1	81.2	81.2	81.2	82.0	82.0	82.7	82.7	82.7	82.7	82.9
≥ 500		76.7	80.6	81.1	82.2	82.2	82.2	83.0	83.0	83.7	83.7	83.7	83.7	83.9
≥ 400		77.7	81.6	82.1	83.2	83.2	83.2	84.0	84.0	84.7	84.7	84.7	84.7	84.9
≥ 300		78.7	82.6	83.1	84.2	84.2	84.2	85.0	85.0	85.7	85.7	85.7	85.7	85.9
≥ 200		79.7	83.6	84.1	85.2	85.2	85.2	86.0	86.0	86.7	86.7	86.7	86.7	86.9
≥ 100		80.7	84.6	85.1	86.2	86.2	86.2	87.0	87.0	87.7	87.7	87.7	87.7	87.9
≥ 0		81.7	85.6	86.1	87.2	87.2	87.2	88.0	88.0	88.7	88.7	88.7	88.7	88.9

TOTAL NUMBER OF OBSERVATIONS

430

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

05-70
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000	26.5	26.7	27.1	27.1	27.3	27.7	27.7	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 18000	32.9	33.3	34.2	34.2	34.4	34.8	34.8	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 16000	32.9	33.3	34.2	34.2	34.4	34.8	34.8	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 14000	33.3	33.3	34.6	34.6	34.8	35.3	35.3	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 12000	34.0	34.4	35.3	35.3	35.5	35.9	35.9	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 10000	35.7	36.1	37.0	37.0	37.2	37.6	37.6	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
≥ 9000	36.3	36.8	37.6	37.6	37.8	38.3	38.3	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 8000	42.6	43.0	44.1	44.3	44.5	44.9	44.9	45.4	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 7000	46.2	46.7	47.7	48.0	48.2	48.8	48.8	49.2	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 6000	48.0	48.4	49.7	49.9	50.1	50.8	50.8	51.2	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 5000	47.5	49.9	51.4	51.6	51.8	52.5	52.5	52.9	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 4500	50.8	51.2	52.9	53.1	53.3	54.0	54.0	54.4	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 4000	54.4	54.8	57.2	57.4	57.6	58.3	58.3	58.9	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 3500	57.6	58.1	60.6	61.1	61.3	62.2	62.2	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3000	62.2	62.8	65.8	66.2	66.5	67.3	67.3	68.6	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2500	66.5	67.5	71.0	71.4	71.8	72.9	73.0	74.4	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2000	66.9	68.2	72.0	72.7	73.1	74.4	74.4	75.1	76.1	76.8	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800	67.1	68.4	72.3	72.9	73.3	74.6	74.6	75.9	77.0	77.6	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1500	68.6	70.3	74.6	75.7	76.1	78.3	78.3	80.4	81.8	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	69.2	71.0	75.7	77.2	77.6	80.0	80.0	82.6	83.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	69.7	71.6	77.0	78.7	79.1	81.5	81.5	84.5	85.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5
≥ 900	69.7	71.6	77.0	78.7	79.1	81.5	81.5	84.5	85.8	87.3	87.5	87.5	87.5	87.5	87.5	87.5
≥ 800	69.9	71.8	77.2	78.9	79.6	81.9	81.9	85.4	86.9	89.9	91.2	91.2	91.2	91.2	91.2	91.2
≥ 700	70.5	72.3	77.8	79.6	80.4	82.6	82.6	86.2	88.0	91.4	93.1	93.3	93.3	93.3	93.3	93.3
≥ 600	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 500	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 400	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 300	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 200	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 100	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4
≥ 0	70.8	72.7	78.1	79.8	80.4	82.8	82.8	86.5	88.2	91.8	94.2	94.4	94.4	94.4	94.4	94.4

TOTAL NUMBER OF OBSERVATIONS 463

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-14

CEILING FEET	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .2	≥ .1	≥ .05
NO CEILING		26.4	27.1	28.1	28.6	29.0	29.7	30.1	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 20000		33.8	34.4	35.5	35.9	36.4	37.0	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 18000		33.8	34.6	35.7	36.1	36.6	37.2	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 16000		33.8	34.6	35.7	36.1	36.6	37.2	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 14000		34.0	34.3	35.9	36.4	36.8	37.4	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 12000		34.4	35.3	36.4	36.8	37.2	37.9	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5
IV 10000		36.6	37.2	38.5	38.7	39.2	39.8	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 9000		36.6	37.4	38.5	39.2	39.6	40.3	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9
IV 8000		44.2	45.2	46.3	47.0	47.4	48.1	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 7000		47.4	48.5	49.6	50.2	50.6	51.3	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 6000		48.7	50.2	51.3	51.9	52.4	53.0	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 5000		50.9	52.4	53.5	54.1	54.5	55.2	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 4500		52.6	54.1	55.2	55.8	56.3	56.9	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 4000		53.9	55.6	56.7	57.4	57.8	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 3500		57.8	60.0	61.3	61.9	62.3	63.0	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3000		59.3	62.3	64.3	64.9	65.4	66.0	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 2500		66.5	70.3	72.7	73.4	74.2	75.2	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2000		67.2	71.4	74.2	75.1	76.0	77.1	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800		68.2	72.3	75.1	76.0	76.8	77.9	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4
IV 1500		69.0	73.4	76.4	77.7	78.6	80.3	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3
IV 1200		71.2	75.8	79.2	81.0	82.0	84.6	86.6	86.8	87.2	87.2	87.2	87.2	87.2	87.2
IV 1000		71.2	75.8	79.2	81.2	82.3	84.8	87.2	87.7	89.2	89.4	89.4	89.4	89.4	89.4
IV 900		71.4	76.0	79.4	81.4	82.7	85.3	87.7	88.1	89.8	90.0	90.0	90.0	90.0	90.0
IV 800		71.4	76.0	79.4	81.8	83.1	86.1	88.7	89.2	91.8	92.0	92.2	92.2	92.2	92.2
IV 700		71.4	76.0	79.4	81.8	83.1	86.1	88.7	89.4	92.0	92.9	93.1	93.1	93.1	93.1
IV 600		71.4	76.0	79.4	82.3	83.5	86.6	89.4	90.3	93.5	94.8	95.0	95.0	95.0	95.0
IV 500		71.4	76.0	79.4	82.3	83.5	86.6	89.8	90.9	94.6	96.3	96.8	97.4	97.4	97.4
IV 400		71.4	76.0	79.4	82.3	83.5	86.6	89.8	90.9	94.6	96.3	97.4	98.1	98.3	98.3
IV 300		71.4	76.0	79.4	82.3	83.5	86.6	89.8	90.9	94.6	96.3	97.4	98.9	99.8	99.8
IV 200		71.4	76.0	79.4	82.3	83.5	86.6	89.8	90.9	94.6	96.8	97.4	98.9	99.8	99.8
IV 100		71.4	76.0	79.4	82.3	83.5	86.6	89.8	90.9	94.6	96.8	97.4	98.9	99.8	99.8
IV 0		71.4	76.0	79.4	82.3	83.5	86.6	89.8	90.9	94.6	96.8	97.4	98.9	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 462

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ⅜	≥ ⅓	≥ ¼	≥ 0
NO CEILING	27.1	28.0	29.7	29.7	29.9	30.2	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 20000	35.8	36.7	38.4	38.4	39.0	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 18000	36.0	36.9	38.6	38.6	39.3	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 16000	36.2	37.1	38.8	38.8	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 14000	36.2	37.1	38.8	38.8	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
IV 12000	36.7	37.5	39.3	39.3	39.9	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 10000	37.7	38.6	40.6	40.6	41.2	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 9000	39.7	40.6	42.5	42.5	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
IV 8000	43.4	44.3	46.9	46.9	47.5	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
IV 7000	47.1	48.2	50.5	50.5	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 6000	48.8	49.9	52.5	52.5	53.1	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 5000	50.5	51.8	54.4	54.4	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 4500	51.6	52.9	55.5	55.5	56.2	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 4000	53.8	55.1	57.9	57.9	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 3500	56.4	58.6	61.4	61.4	62.0	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 3000	58.4	60.7	63.8	64.0	64.6	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 2500	64.0	66.8	70.2	70.5	71.4	72.0	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
IV 2000	65.3	68.8	72.2	72.7	73.8	74.8	75.1	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 1800	66.8	70.5	74.0	74.4	75.5	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 1500	69.6	73.5	77.0	77.7	79.2	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1200	70.5	74.1	78.0	78.6	81.1	83.7	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1000	71.1	75.9	80.5	81.6	83.7	86.8	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 900	71.1	75.9	80.5	81.5	83.7	87.0	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 800	71.1	75.9	80.5	81.8	83.9	87.6	88.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 300	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 200	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 100	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 0	71.1	75.9	80.5	82.2	84.4	88.1	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS 461

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

66=70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1A-V-2.37
HOURS YEAR

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	≥ 0
NO CEILING		28.8	30.2	33.2	33.2	33.2	33.8	33.8	33.8	33.8	34.1	34.1	34.1	34.1	34.1	34.1
≥ 20000		32.7	34.4	37.4	37.4	37.4	38.2	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5
IV 18000		32.7	34.4	37.4	37.4	37.4	38.2	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5
IV 16000		32.7	34.4	37.4	37.4	37.4	38.2	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5
IV 14000		32.7	34.4	37.4	37.4	37.4	38.2	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5
IV 12000		34.6	36.3	39.4	39.4	39.4	40.2	40.2	40.2	40.2	40.5	40.5	40.5	40.5	40.5	40.5
IV 10000		35.8	37.4	40.5	40.5	40.5	41.3	41.3	41.3	41.3	41.6	41.6	41.6	41.6	41.6	41.6
IV 9000		37.2	38.8	41.9	41.9	41.9	42.7	42.7	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0
IV 8000		38.0	39.7	43.3	43.3	43.6	44.7	44.7	44.7	44.7	45.0	45.0	45.0	45.0	45.0	45.0
IV 7000		39.4	41.1	44.7	44.7	45.0	46.4	46.4	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6
IV 6000		41.1	42.7	46.4	46.4	46.6	48.0	48.0	48.0	48.0	48.3	48.3	48.3	48.3	48.3	48.3
IV 5000		43.0	45.3	48.9	48.9	49.2	50.6	50.6	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8
IV 4500		45.0	47.5	51.1	51.1	51.4	52.8	52.8	52.8	52.8	53.1	53.1	53.1	53.1	53.1	53.1
IV 4000		46.9	49.4	53.1	53.1	53.4	54.7	55.0	55.0	55.0	55.3	55.3	55.3	55.3	55.3	55.3
IV 3500		49.7	53.1	57.3	57.3	57.8	59.2	59.5	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.8
IV 3000		54.2	57.5	61.7	62.0	62.3	63.7	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5	64.5
IV 2500		59.2	62.8	67.0	67.9	68.2	69.8	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7
IV 2000		61.2	65.1	70.4	71.5	71.8	73.7	74.6	74.6	74.6	74.9	74.9	74.9	74.9	74.9	74.9
IV 1800		61.7	65.9	71.8	72.9	73.2	75.1	76.0	76.0	76.0	76.3	76.3	76.3	76.3	76.3	76.3
IV 1500		63.1	67.9	73.7	74.9	75.1	77.1	77.9	78.2	78.2	78.5	78.5	78.5	78.5	78.5	78.5
IV 1200		64.5	69.8	75.5	76.8	77.1	79.1	79.9	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4
IV 1000		64.8	69.8	75.7	77.1	77.6	79.6	81.0	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6
IV 900		64.8	69.8	75.7	77.4	77.7	79.9	81.6	81.8	82.4	82.8	83.8	83.8	83.8	83.8	83.8
IV 800		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.1	82.5	82.9	83.9	83.9	83.9	83.9	83.9
IV 700		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 600		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 500		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 400		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 300		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 200		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 100		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 0		64.8	69.8	75.7	77.4	77.7	79.9	81.6	82.4	82.8	83.8	83.8	83.8	83.8	83.8	83.8

TOTAL NUMBER OF OBSERVATIONS 358

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

65,67

22,5

210-230

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	> 5/16	≥ 1/4	≥ 0
NO CEILING	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 20000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 18000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 16000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 14000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 12000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 10000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 9000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 8000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 7000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 6000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 5000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 4500	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 4000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 3500	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 3000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 2500	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 2000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 1800	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 1500	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 1200	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 1000	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 900	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 800	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 700	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 600	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 500	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 400	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 300	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 200	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 100	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7
≥ 0	50,0	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7	66,7

TOTAL NUMBER OF OBSERVATIONS 6

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

66-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-350

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4
NO CEILING		24.9	25.7	29.7	30.4	30.4	30.8	30.8	30.8	30.8	31.2	32.2	32.2	32.2	32.2
≥ 20000		25.7	27.2	31.2	31.9	31.9	32.2	32.2	32.2	32.2	32.6	33.7	33.7	33.7	34.1
≥ 18000		25.7	27.2	31.2	31.9	31.9	32.2	32.2	32.2	32.2	32.6	33.7	33.7	33.7	34.1
≥ 16000		25.7	27.2	31.2	31.9	31.9	32.2	32.2	32.2	32.2	32.6	33.7	33.7	33.7	34.1
IV 14000		25.7	27.2	31.2	31.9	31.9	32.2	32.2	32.2	32.2	32.6	33.7	33.7	33.7	34.1
IV 12000		25.7	27.2	31.2	31.9	31.9	32.2	32.2	32.2	32.2	32.6	33.7	33.7	34.1	34.4
IV 10000		26.1	27.5	31.5	32.2	32.2	32.6	32.6	32.6	32.6	33.0	34.1	34.1	34.4	34.8
IV 9000		26.1	27.5	31.5	32.2	32.2	32.6	32.6	32.6	32.6	33.0	34.1	34.1	34.4	34.8
IV 8000		27.2	28.6	32.6	33.3	33.3	33.7	33.7	33.7	34.1	35.1	35.1	35.1	35.5	35.9
IV 7000		27.5	29.0	33.0	33.7	34.4	34.8	34.8	34.8	35.1	36.2	36.2	36.6	36.6	37.0
IV 6000		28.3	29.7	33.7	34.4	35.1	35.5	35.5	35.5	35.9	37.0	37.0	37.3	37.3	37.7
IV 5000		30.8	32.2	36.2	37.0	37.7	38.0	38.0	38.0	38.4	38.8	39.9	39.9	40.2	40.6
IV 4500		31.2	32.6	36.6	37.3	38.0	38.4	38.4	38.4	39.1	39.5	40.6	40.6	40.9	41.3
IV 4000		31.9	33.3	37.3	38.0	38.8	39.1	39.1	39.1	39.9	40.2	41.3	41.3	41.7	42.0
IV 3500		33.7	35.5	40.2	40.9	41.7	42.0	42.0	42.0	42.8	43.1	44.2	44.2	44.6	44.9
IV 3000		38.0	40.6	45.3	46.7	47.5	47.8	47.8	47.8	48.6	48.9	50.0	50.0	50.4	50.7
IV 2500		43.1	47.1	51.8	53.6	54.7	55.4	55.4	55.4	56.2	56.5	57.6	57.6	58.0	58.3
IV 2000		44.6	49.6	55.4	59.1	60.1	61.2	61.2	61.2	62.0	62.3	63.4	63.4	63.8	64.1
IV 1800		44.9	50.4	56.2	59.8	60.9	62.7	63.0	63.0	63.8	64.1	65.2	65.2	65.6	65.9
IV 1500		45.7	51.4	57.2	62.7	63.8	66.2	66.7	66.7	67.4	67.8	68.8	68.8	69.2	69.6
IV 1200		46.0	52.2	58.0	63.2	64.3	67.4	67.9	67.9	68.7	69.0	70.3	70.3	70.8	71.2
IV 1000		46.4	52.5	58.3	63.5	64.6	67.4	67.9	67.9	68.7	69.0	70.3	70.3	70.8	71.2
IV 900		46.4	52.5	58.3	63.5	64.6	67.4	67.9	67.9	68.7	69.0	70.3	70.3	70.8	71.2
IV 800		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 700		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 600		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 500		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 400		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 300		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 200		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 100		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6
IV 0		46.7	53.6	59.1	63.8	64.9	67.9	68.4	68.4	69.2	69.5	70.8	70.8	71.2	71.6

TOTAL NUMBER OF OBSERVATIONS

276

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0100
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ ⅒	≥ ⅛	≥ 1/16	≥ 0
NO CEILING ≥ 20000	22.0	22.8	23.7	24.4	24.9	25.1	25.1	25.3	25.6	25.6	25.6	25.6	25.6	26.2	26.5	26.7
IV 18000	27.2	28.0	28.9	29.6	30.1	30.3	30.3	30.5	30.8	30.8	31.0	31.0	31.0	31.5	31.9	32.1
IV 16000	27.2	28.0	28.9	29.6	30.1	30.3	30.3	30.5	30.8	30.8	31.0	31.0	31.0	31.5	31.9	32.1
IV 14000	27.2	28.0	28.9	29.6	30.1	30.3	30.3	30.5	30.8	30.8	31.0	31.0	31.0	31.5	31.9	32.1
IV 12000	27.8	28.5	29.4	30.1	30.6	30.8	30.8	31.0	31.5	31.5	31.7	31.7	31.7	32.3	32.6	32.8
IV 10000	28.7	29.4	30.3	31.0	31.5	31.7	31.9	32.1	32.6	32.6	32.8	32.8	32.8	33.3	33.7	33.9
IV 9000	29.4	30.1	31.0	31.7	32.3	32.4	32.6	32.8	33.3	33.3	33.5	33.5	33.5	34.1	34.4	34.6
IV 8000	31.7	32.8	33.7	34.4	34.9	35.1	35.3	35.5	36.0	36.0	36.2	36.2	36.2	36.7	37.1	37.5
IV 7000	34.6	35.7	36.6	37.5	38.0	38.2	38.4	38.5	39.1	39.1	39.2	39.2	39.2	39.8	40.1	40.5
IV 6000	36.6	37.6	38.5	39.6	40.1	40.3	40.5	40.7	41.2	41.2	41.4	41.4	41.4	41.9	42.3	42.7
IV 5000	37.5	38.5	39.6	40.7	41.2	41.4	41.6	41.8	42.3	42.3	42.5	42.5	42.5	43.0	43.7	44.4
IV 4500	37.8	38.9	40.0	41.0	41.6	41.8	41.9	42.1	42.7	42.7	42.8	42.8	42.8	43.4	44.1	44.8
IV 4000	39.8	40.9	42.1	43.2	43.7	43.9	44.1	44.3	44.8	44.8	45.0	45.0	45.0	45.5	46.2	47.0
IV 3500	42.3	43.4	44.6	45.7	46.2	46.4	46.6	46.8	47.3	47.3	47.5	47.5	47.5	48.0	48.7	49.5
IV 3000	43.5	44.8	46.0	47.1	47.6	47.8	48.0	48.2	48.7	48.7	48.9	48.9	48.9	49.4	50.1	50.9
IV 2500	51.3	53.0	54.2	55.3	55.8	56.0	56.2	56.4	56.9	56.9	57.1	57.1	57.1	57.6	58.3	59.1
IV 2000	52.3	54.7	57.9	60.8	61.6	62.0	62.4	62.8	63.1	63.1	63.3	63.3	63.3	63.8	64.5	65.2
IV 1800	53.0	55.4	58.8	61.8	62.7	63.1	63.4	63.6	64.2	64.2	64.3	64.3	64.3	64.9	65.6	66.3
IV 1500	54.3	56.4	62.2	65.9	67.0	67.9	68.6	69.0	69.5	69.5	69.7	69.7	69.7	70.4	71.1	71.9
IV 1200	54.8	57.9	63.8	67.9	69.4	70.8	72.0	72.6	73.7	73.7	73.8	73.8	73.8	74.6	75.3	76.0
IV 1000	55.2	60.2	64.2	68.3	69.9	71.5	73.1	73.7	75.0	75.0	75.2	75.2	75.2	76.3	77.1	78.5
IV 900	55.4	60.4	64.3	68.8	70.4	72.4	74.0	74.6	77.2	77.2	77.8	77.8	77.8	78.0	79.4	80.3
IV 800	55.6	60.6	64.5	69.0	70.6	72.9	75.3	76.7	80.3	80.3	81.0	81.0	81.0	81.9	82.6	83.5
IV 700	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 600	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 500	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 400	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 300	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 200	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 100	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9
IV 0	55.6	60.6	64.7	69.7	71.3	73.7	76.9	78.3	83.7	83.7	85.8	85.8	85.8	86.6	87.3	88.9

TOTAL NUMBER OF OBSERVATIONS 558

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATIONBAG TOLZ GERMANY AAF
STATION NAME63-70
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING		28.3	29.4	30.1	30.5	30.6	31.0	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.5	31.5
≥ 20000		33.9	34.9	35.7	36.0	36.2	36.6	36.7	36.7	36.9	36.9	36.9	36.9	36.9	37.1	37.1
≥ 16000		33.9	34.9	35.7	36.0	36.2	36.6	36.7	36.7	36.9	36.9	36.9	36.9	36.9	37.1	37.1
≥ 14000		33.9	34.9	35.7	36.0	36.2	36.6	36.7	36.7	36.9	36.9	36.9	36.9	36.9	37.1	37.1
≥ 12000		34.6	35.7	36.4	36.7	36.9	37.3	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.8
≥ 10000		35.5	36.6	37.3	37.8	38.0	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.9	38.9
≥ 9000		36.2	37.3	38.0	38.5	38.7	39.1	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.6	39.6
≥ 8000		38.9	40.0	40.7	41.2	41.6	42.1	42.3	42.3	42.5	42.5	42.5	42.5	42.5	42.7	42.7
≥ 7000		41.2	42.3	43.0	43.5	43.9	44.4	44.6	44.6	44.8	44.8	44.8	44.8	44.8	45.0	45.0
≥ 6000		43.4	44.8	45.7	46.2	46.6	47.1	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.7	47.7
≥ 5000		45.7	47.1	48.2	48.7	49.1	49.6	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.4	50.4
≥ 4500		45.9	47.3	48.4	48.9	49.3	49.8	50.0	50.0	50.2	50.2	50.2	50.2	50.2	50.5	50.5
≥ 4000		46.8	48.2	49.3	49.8	50.2	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.8	51.8
≥ 3500		48.9	50.3	52.0	52.5	52.9	53.9	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.7	54.7
≥ 3000		50.7	52.3	54.1	54.7	55.0	56.1	56.3	56.3	56.6	56.6	56.6	56.6	56.6	57.0	57.0
≥ 2500		56.5	58.4	61.1	62.4	62.7	63.9	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.9	64.9
≥ 2000		58.6	60.9	64.2	65.9	66.3	67.7	68.1	68.1	68.6	68.6	68.6	68.6	68.6	69.0	69.0
≥ 1800		59.0	61.3	64.7	66.8	67.2	68.8	69.2	69.2	69.7	69.7	69.7	69.7	69.7	70.1	70.1
≥ 1500		59.9	62.4	65.6	67.9	68.5	70.4	71.3	71.3	72.2	72.2	72.2	72.2	72.2	72.8	72.8
≥ 1200		60.4	63.4	67.0	69.3	70.3	72.4	73.8	73.8	75.6	75.6	75.6	75.6	75.6	76.2	76.2
≥ 1000		60.8	63.8	67.6	70.3	71.1	73.3	75.1	75.1	78.1	78.1	79.0	79.2	79.2	79.6	79.6
≥ 900		60.8	63.8	67.7	70.6	71.3	73.6	75.0	75.0	79.6	79.6	80.3	80.8	80.8	81.2	81.2
≥ 800		60.8	63.8	67.7	71.0	72.0	74.9	77.2	77.2	81.3	81.3	82.6	83.0	83.0	83.3	83.3
≥ 700		60.8	63.8	67.7	71.1	72.4	75.4	79.4	79.4	81.3	81.3	83.4	83.8	83.8	84.9	84.9
≥ 600		60.8	63.8	67.7	71.1	72.4	75.4	79.4	79.4	81.3	81.3	83.4	83.8	83.8	84.9	84.9
≥ 500		60.8	63.8	67.7	71.3	72.8	76.2	80.1	80.1	82.6	82.6	84.9	85.3	85.3	86.4	86.4
≥ 400		60.8	63.8	67.7	71.5	72.8	76.2	80.3	80.3	83.2	83.2	85.3	85.7	85.7	86.6	86.6
≥ 300		60.8	63.8	67.7	71.5	72.8	76.3	80.6	80.6	83.7	83.7	85.3	85.7	85.7	86.9	86.9
≥ 200		60.8	63.8	67.7	71.5	72.8	76.3	80.6	80.6	83.7	83.7	85.3	85.7	85.7	86.9	86.9
≥ 100		60.8	63.8	67.7	71.5	72.8	76.3	80.6	80.6	83.7	83.7	85.3	85.7	85.7	86.9	86.9
≥ 0		60.8	63.8	67.7	71.5	72.8	76.3	80.6	80.6	83.7	83.7	85.3	85.7	85.7	86.9	86.9

TOTAL NUMBER OF OBSERVATIONS 553

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

36197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-7C
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-1-1400
MONTH

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING		27.4	29.2	30.1	30.6	30.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
≥ 20000		33.3	35.1	36.6	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 18000		33.3	35.1	36.6	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 16000		33.3	35.1	36.6	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 14000		33.3	35.1	36.6	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 12000		33.3	35.1	36.6	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 10000		33.3	35.1	36.6	37.3	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 9000		35.1	36.9	38.4	39.2	39.2	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 8000		36.4	38.5	40.0	40.9	40.9	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
IV 7000		37.8	40.1	41.6	42.5	42.5	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 6000		41.4	44.1	45.5	46.4	46.4	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 5000		43.0	46.1	47.5	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 4500		43.9	47.0	48.4	49.3	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 4000		45.3	48.7	50.2	51.3	51.3	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 3500		46.4	49.6	51.1	52.2	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 3000		48.0	51.5	53.0	54.1	54.1	54.8	54.8	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0
IV 2500		51.7	55.2	56.7	58.2	58.2	59.8	59.8	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1
IV 2000		55.8	59.3	60.8	62.4	62.4	64.1	64.1	64.1	64.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 1800		59.3	62.8	64.3	66.0	66.0	67.7	67.7	67.7	67.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 1500		60.8	64.3	65.8	67.5	67.5	69.2	69.2	69.2	69.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 1200		61.1	64.6	66.1	67.8	67.8	69.5	69.5	69.5	69.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 1000		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 900		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 800		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 700		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 600		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 500		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 400		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 300		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 200		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 100		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 0		61.3	64.8	66.3	68.0	68.0	69.7	69.7	69.7	69.7	70.7	70.7	70.7	70.7	70.7	70.7

TOTAL NUMBER OF OBSERVATIONS 558

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

32

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ ⅓	≥ ¼	≥ ⅒
NO CEILING		28.1	29.4	30.1	31.2	31.2	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 20000		36.0	37.3	38.2	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 18000		36.0	37.3	38.2	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 16000		36.0	37.3	38.2	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 14000		36.0	37.3	38.2	39.6	39.6	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000		36.4	37.6	38.5	40.0	40.0	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 10000		37.1	38.4	39.2	40.7	40.7	41.0	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 9000		38.0	39.2	40.1	41.6	41.6	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 8000		39.4	40.9	41.8	43.2	43.2	43.5	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 7000		41.6	43.2	44.3	45.7	45.7	46.1	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000		43.7	45.7	46.8	48.2	48.2	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 5000		45.5	47.7	48.7	50.2	50.4	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 4500		48.2	50.4	51.4	52.9	53.2	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 4000		49.8	52.2	53.2	54.7	55.0	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 3500		51.3	53.8	54.8	56.3	56.6	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 3000		53.8	56.3	57.3	59.0	59.3	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 2500		59.3	62.7	64.7	66.3	67.2	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2000		61.1	66.1	68.6	70.4	71.3	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1800		62.0	67.0	69.7	71.9	72.9	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1500		63.3	69.0	72.0	73.3	76.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 1200		64.3	70.4	74.2	77.4	78.7	80.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1000		64.9	70.8	74.6	78.0	79.4	81.7	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900		64.9	70.8	74.7	78.1	79.7	82.3	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 800		64.9	70.8	74.7	78.1	79.9	82.6	83.7	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 700		64.9	70.8	74.7	78.7	80.3	83.9	84.7	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 600		64.9	70.8	74.7	78.7	80.3	84.2	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 500		64.9	70.8	74.7	78.7	80.3	84.4	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 400		64.9	70.8	74.7	78.7	80.3	84.4	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 300		64.9	70.8	74.7	78.7	80.3	84.4	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 200		64.9	70.8	74.7	78.7	80.3	84.4	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 100		64.9	70.8	74.7	78.7	80.3	84.4	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 0		64.9	70.8	74.7	78.7	80.3	84.4	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0

TOTAL NUMBER OF OBSERVATION

558

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34597

BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .58	≥ .5	≥ .36	≥ .25	≥ 0
NO CEILING		30.0	32.8	34.3	35.6	35.6	36.4	37.3	37.3	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 20000		34.3	37.5	39.0	40.5	40.5	41.4	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 18000		34.3	37.5	39.0	40.5	40.5	41.4	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 16000		34.3	37.5	39.0	40.5	40.5	41.4	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 14000		34.3	37.5	39.0	40.5	40.5	41.4	42.2	42.2	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 12000		34.3	37.7	39.2	40.7	40.7	41.6	42.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 10000		35.8	39.4	41.2	42.7	42.7	43.5	44.4	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 9000		36.9	40.5	42.2	43.8	43.8	44.6	45.5	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 8000		38.6	42.2	44.2	45.7	45.7	46.6	47.4	47.4	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 7000		39.4	43.1	45.0	46.6	46.6	47.4	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 6000		41.2	44.8	47.2	48.7	48.7	49.6	50.4	50.4	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV 5000		42.0	45.9	48.3	49.8	49.8	50.6	51.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 4500		44.6	48.9	51.5	53.0	53.0	53.9	54.7	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 4000		46.1	50.4	53.0	54.7	54.7	55.6	56.5	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IV 3500		48.3	52.6	55.4	57.1	57.1	58.0	58.8	58.8	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV 3000		51.3	56.0	58.8	60.6	60.6	61.4	62.7	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500		55.0	59.9	63.8	65.7	65.7	66.6	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 2000		56.3	61.4	65.9	67.9	67.9	69.4	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 1800		56.7	61.8	66.4	68.5	68.5	70.3	72.0	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1500		58.0	63.4	69.4	71.8	72.0	74.6	76.7	76.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 1200		58.6	64.9	71.1	73.9	74.1	77.2	79.3	79.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 1000		58.6	64.9	71.6	74.8	75.0	78.9	81.5	81.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 900		58.6	64.9	71.6	74.8	75.0	78.9	82.3	82.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 800		58.6	64.9	71.6	74.8	75.2	79.1	82.2	82.2	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 700		58.6	64.9	71.6	75.4	75.9	79.7	84.1	84.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 600		58.6	64.9	71.6	75.4	75.9	79.7	84.3	84.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 500		58.6	64.9	71.6	75.4	75.9	79.7	84.7	84.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 400		58.6	64.9	71.6	75.4	75.9	79.7	84.7	84.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 300		58.6	64.9	71.6	75.4	75.9	79.7	84.7	84.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 200		58.6	64.9	71.6	75.4	75.9	79.7	84.7	84.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 100		58.6	64.9	71.6	75.4	75.9	79.7	84.7	84.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 0		58.6	64.9	71.6	75.4	75.9	79.7	84.7	84.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1

TOTAL NUMBER OF OBSERVATIONS

464

USAF ETAC

FORM JUL 64

0-14.5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0
NO CEILING	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 20000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 18000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 16000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 14000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 12000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 10000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 9000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 8000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 7000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 6000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 5000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 900	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 700	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 600	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 400	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 300	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 100	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

TOTAL NUMBER OF OBSERVATIONS 1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 8AD TDLZ GERMANY AAF

66/68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

7070-0707

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.0	≥ 0.8	≥ 0.6	≥ 0.5	≥ 0.4	≥ 0.3	≥ 0.2	≥ 0.1
NO CEILING		39.0	44.1	44.1	45.8	45.8	47.5	47.5	47.5	47.5	47.5	47.5	49.2	50.8	50.8	50.8
≥ 20000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 18000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 16000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 14000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 12000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 10000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 9000		42.4	47.5	47.5	49.2	49.2	50.8	50.8	50.8	50.8	50.8	50.8	52.5	54.2	54.2	54.2
≥ 8000		49.2	54.2	54.2	55.9	55.9	57.6	57.6	57.6	57.6	57.6	57.6	59.3	61.0	61.0	61.0
≥ 7000		55.9	61.0	61.0	62.7	62.7	64.4	64.4	64.4	64.4	64.4	64.4	66.1	67.8	67.8	67.8
≥ 5000		57.6	62.7	62.7	64.4	64.4	66.1	66.1	66.1	66.1	66.1	66.1	67.8	69.5	69.5	69.5
≥ 5000		57.6	62.7	62.7	64.4	64.4	66.1	66.1	66.1	66.1	66.1	66.1	67.8	69.5	69.5	69.5
≥ 4500		61.0	66.1	67.8	69.5	69.5	71.2	71.2	71.2	71.2	71.2	71.2	72.9	74.6	74.6	74.6
≥ 4000		61.0	66.1	67.8	69.5	69.5	71.2	71.2	71.2	71.2	71.2	71.2	72.9	74.6	74.6	74.6
≥ 3500		61.0	67.8	69.5	71.2	71.2	72.9	72.9	72.9	72.9	72.9	72.9	74.6	76.3	76.3	76.3
≥ 3000		61.0	67.8	69.5	71.2	71.2	72.9	72.9	72.9	72.9	72.9	72.9	74.6	76.3	76.3	76.3
≥ 2500		62.7	71.2	72.9	74.6	74.6	76.3	76.3	76.3	76.3	76.3	76.3	78.0	79.7	79.7	79.7
≥ 2000		64.4	72.9	76.3	79.7	79.7	81.4	81.4	81.4	81.4	81.4	81.4	83.1	84.7	84.7	84.7
≥ 1800		64.4	72.9	76.3	79.7	79.7	81.4	81.4	81.4	81.4	81.4	81.4	83.1	84.7	84.7	84.7
≥ 1500		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 1200		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 1000		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 900		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 800		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 700		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 600		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 500		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 400		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 300		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 200		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 100		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4
≥ 0		64.4	74.6	78.0	81.4	81.4	83.1	83.1	83.1	83.1	83.1	83.1	84.7	86.4	86.4	86.4

TOTAL NUMBER OF OBSERVATIONS

59

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24197 BAD TOLZ GERMANY AAF

66-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2200-0900

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000	39.6 42.0	40.4 42.8	42.4 44.8	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6	42.8 45.6
IV 18000	42.4	43.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	42.4	43.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000	42.4	43.2	45.2	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 12000	43.2	44.0	46.0	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV 10000	43.6	44.4	46.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 9200	43.6	44.4	46.4	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 8000	48.0	49.2	51.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	49.6	50.8	52.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 6000	49.6	50.8	52.8	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 5000	51.6	52.8	54.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 4500	51.6	52.8	54.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
IV 4000	53.6	54.8	56.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 3500	56.4	57.6	59.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 3000	58.0	59.2	61.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 2500	62.4	63.6	65.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 2000	63.2	64.4	66.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 1800	66.0	67.2	69.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 1500	67.6	68.8	70.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1200	67.6	68.8	70.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1000	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 900	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 800	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 700	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 600	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 500	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 400	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 300	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 200	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 100	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IV 0	68.0	69.2	71.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4

TOTAL NUMBER OF OBSERVATIONS 250

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

34197
STATION

3AP TOLZ GERMANY AAF
STATION NAME

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

76° 0'-0" 0"

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .15	≥ .1	≥ .05	≥ .03	≥ .02	≥ .01
NO CEILING		29.8	32.0	33.0	33.1	33.3	33.5	33.7	33.7	33.9	33.9	33.9	33.9	33.9	34.3	34.3	34.5
≥ 20000		34.6	36.7	37.8	38.0	38.2	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.1	39.1	39.3
≥ 18000		34.6	36.9	37.8	38.0	38.2	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.1	39.1	39.3
≥ 16000		34.6	36.9	37.8	38.0	38.2	38.4	38.5	38.5	38.7	38.7	38.7	38.7	38.7	39.1	39.1	39.3
≥ 14000		34.8	37.1	38.0	38.2	38.4	38.5	38.7	38.7	38.9	38.9	38.9	38.9	38.9	39.3	39.3	39.5
≥ 12000		35.6	37.8	38.7	38.9	39.1	39.3	39.5	39.5	39.7	39.7	39.7	39.7	39.7	40.0	40.0	40.2
≥ 10000		36.5	38.7	39.7	39.9	40.0	40.2	40.4	40.4	40.6	40.6	40.6	40.6	40.6	41.0	41.0	41.2
≥ 9000		37.8	40.0	41.0	41.2	41.3	41.5	41.7	41.7	41.9	41.9	41.9	41.9	41.9	42.3	42.3	42.5
≥ 8000		43.2	45.4	46.4	46.6	46.7	46.9	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.7	47.7	47.9
≥ 7000		46.0	48.2	49.3	49.5	49.7	49.9	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.7	50.7	50.8
≥ 6000		46.4	48.6	49.7	49.9	50.1	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	51.0	51.0	51.2
≥ 5000		48.2	50.8	52.0	52.1	52.3	52.5	52.7	52.7	52.9	52.9	52.9	52.9	52.9	53.3	53.3	53.4
≥ 4500		50.8	53.6	54.7	54.9	55.1	55.3	55.5	55.5	55.7	55.7	55.7	55.7	55.7	56.1	56.1	56.2
≥ 4000		52.7	55.9	57.2	57.4	57.5	57.7	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.5	58.5	58.7
≥ 3500		54.7	57.9	59.6	59.8	60.0	60.2	60.4	60.4	60.7	60.7	60.7	60.7	60.7	61.3	61.3	61.5
≥ 3000		56.1	59.4	61.3	61.8	62.0	62.2	62.4	62.4	62.7	62.7	62.7	62.7	62.7	63.3	63.3	63.5
≥ 2500		60.1	63.4	65.7	66.2	67.4	67.9	68.2	68.2	68.5	68.5	68.5	68.5	68.5	68.9	68.9	69.1
≥ 2000		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 1800		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 1600		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 1400		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 1200		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 1000		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 900		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 800		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 700		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 600		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 500		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 400		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 300		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 200		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 100		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0
≥ 0		61.8	66.2	69.1	70.0	70.3	70.9	71.3	71.3	71.9	71.9	71.9	71.9	71.9	72.6	72.6	73.0

TOTAL NUMBER OF OBSERVATIONS 537

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 3AB TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

CEILING FEET	VISIBILITY IN MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING		32.8	33.5	34.1	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 20000		37.4	38.2	38.7	39.1	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
18000		37.4	38.2	38.7	39.1	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
16000		37.4	38.2	38.7	39.1	39.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
14000		38.2	38.9	39.3	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
12000		39.1	39.9	40.4	40.8	40.8	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
10000		41.2	41.9	42.5	42.8	42.8	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
9000		42.1	42.8	43.4	43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
8000		44.7	45.4	46.0	46.5	46.5	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
7000		47.8	48.5	49.0	49.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
6000		48.8	49.7	50.3	50.7	50.7	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
5000		50.5	51.4	52.0	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
4500		51.8	52.7	53.3	53.6	53.6	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
4000		54.7	55.9	56.4	56.8	56.8	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
3500		56.8	57.9	58.5	58.8	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
3000		60.0	61.5	62.0	62.6	62.6	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
2500		63.1	65.2	66.1	67.0	67.0	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
2000		65.4	68.2	70.0	70.9	70.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
1800		66.1	69.5	71.5	72.8	72.8	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1500		67.6	71.3	74.3	76.2	76.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1200		69.3	73.7	77.3	80.3	80.3	82.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1000		70.0	74.9	79.1	82.3	82.3	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
900		70.4	74.9	79.7	83.1	83.1	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
800		70.6	75.0	80.1	83.4	83.4	87.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
700		70.8	75.2	80.4	84.0	84.0	88.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
600		70.8	75.2	80.6	84.2	84.2	89.1	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
500		70.8	75.2	80.6	84.2	84.2	90.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
400		70.8	75.2	80.6	84.2	84.2	90.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
300		70.8	75.2	80.6	84.2	84.2	90.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
200		70.8	75.2	80.6	84.2	84.2	90.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
100		70.8	75.2	80.6	84.2	84.2	90.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
0		70.8	75.2	80.6	84.2	84.2	90.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8

TOTAL NUMBER OF OBSERVATIONS

537

1

DATA PROCESSING DIVISION
USAF EYAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36197

BAD TOLZ GERMANY AAF

65-7C

APR

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	31.5	32.0	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 20000	38.2	38.7	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 18000	38.4	38.9	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 16000	38.4	38.9	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 14000	38.5	39.1	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 12000	39.3	39.9	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
IV 10000	40.8	41.3	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 9000	41.5	42.1	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 8000	45.3	45.8	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 7000	47.1	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 6000	47.7	48.2	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 5000	49.0	49.5	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 4500	50.3	50.8	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 4000	53.1	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3500	55.3	56.0	56.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 3000	60.3	61.8	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500	70.8	73.2	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV 2000	72.8	75.6	76.7	77.5	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 1800	73.6	76.3	78.2	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 1500	75.8	79.9	82.3	83.2	83.6	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 1200	76.4	80.8	83.8	85.1	86.0	87.2	87.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1000	76.7	81.2	84.4	86.0	87.0	88.5	88.8	89.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 900	76.9	81.6	84.7	86.8	87.7	89.2	89.8	90.9	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 800	76.9	81.8	84.9	87.2	88.1	89.8	91.1	92.6	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 700	77.1	82.1	85.3	87.9	88.8	90.3	91.8	93.7	94.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 600	77.1	82.1	85.3	87.9	88.8	90.3	92.0	94.0	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 500	77.1	82.1	85.3	87.9	88.8	90.3	92.4	94.6	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	77.1	82.1	85.3	87.9	88.8	90.3	92.4	94.6	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 300	77.1	82.1	85.3	87.9	88.8	90.3	92.4	94.6	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 200	77.1	82.1	85.3	87.9	88.8	90.3	92.4	94.6	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 100	77.1	82.1	85.3	87.9	88.8	90.3	92.4	94.6	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 0	77.1	82.1	85.3	87.9	88.8	90.3	92.4	94.6	96.5	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

537

USAF EYAC

FORM
JUL 64

O 14-5 (OL 1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
ELEVATION

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
TIME PERIOD

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	< 1/8	< 1/16
NO CEILING		28.7	29.6	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000		40.1	41.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 18000		40.1	41.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 16000		40.1	41.0	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 14000		40.1	41.2	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 12000		40.6	41.6	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
IV 10000		43.6	44.6	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 9000		44.0	44.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 8000		48.3	49.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
IV 7000		51.1	52.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 6000		52.1	53.4	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 5000		54.5	55.8	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 4500		55.6	57.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 4000		58.6	60.5	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 3500		60.5	62.9	63.9	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 3000		63.9	66.5	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 2500		71.2	74.2	76.0	76.4	76.6	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 2000		73.8	77.3	79.4	79.8	80.3	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 1800		74.0	78.3	80.9	81.3	81.8	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 1500		74.9	80.1	83.3	83.7	84.5	85.6	85.8	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 1200		75.5	80.7	84.5	85.0	86.3	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 1000		75.8	81.1	85.0	86.1	87.5	89.5	90.1	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 900		75.8	81.1	85.0	86.1	87.5	90.1	90.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 800		75.8	81.1	85.0	86.1	87.6	90.8	91.6	92.6	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 700		75.8	81.5	85.6	86.7	88.2	91.5	93.3	94.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1
IV 600		75.8	81.5	85.6	86.7	88.2	91.5	93.3	94.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1
IV 500		75.8	81.5	85.6	86.7	88.4	91.8	93.4	94.9	96.2	96.3	96.3	96.3	96.3	96.3	96.3
IV 400		76.0	81.6	85.8	87.1	88.6	92.9	93.6	95.1	97.0	97.6	97.6	97.6	97.6	97.6	97.6
IV 300		76.0	81.6	85.8	87.1	88.6	92.9	93.6	95.1	97.0	97.6	97.6	97.6	97.6	97.6	97.6
IV 200		76.0	81.6	85.8	87.1	88.6	92.9	93.6	95.1	97.0	97.6	97.6	97.6	97.6	97.6	97.6
IV 100		76.0	81.6	85.8	87.1	88.6	92.9	93.6	95.1	97.0	97.6	97.6	97.6	97.6	97.6	97.6
IV 0		76.0	81.6	85.8	87.1	88.6	92.9	93.6	95.1	97.0	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS

534

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

LPH
MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
TIME

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .2	≥ .16	≥ .1	≥ .0
NO CEILING		34.0	34.8	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 20000		42.7	42.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 18000		43.1	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 16000		43.1	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 14000		43.1	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 12000		43.1	44.1	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 10000		44.1	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
IV 9000		44.1	45.6	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 8000		47.4	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
IV 7000		50.9	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 6000		52.4	53.8	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 5000		54.2	55.4	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4500		56.1	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 4000		59.8	61.6	61.9	61.9	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 3500		61.2	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3000		64.9	66.6	67.2	67.2	67.2	68.0	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 2500		68.9	71.3	72.6	73.4	73.4	73.4	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 2000		70.7	74.0	75.7	76.7	76.7	77.7	77.7	77.7	77.7	78.6	78.6	78.6	78.6	78.6	78.6
IV 1800		71.1	74.6	77.3	78.6	78.6	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 1500		72.2	75.9	79.4	81.5	82.5	83.3	84.3	84.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1200		72.2	75.9	80.0	83.3	84.3	85.6	86.4	86.4	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1000		72.2	76.1	80.2	83.7	84.7	87.8	88.7	89.3	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 900		72.2	76.1	80.2	84.1	85.2	88.2	89.3	89.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 800		72.2	76.1	80.4	84.3	85.6	89.3	90.7	91.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 700		72.2	76.3	81.2	85.2	86.8	90.3	92.0	92.6	94.0	94.2	94.4	94.4	94.4	94.4	94.4
IV 600		72.2	76.3	81.2	85.2	87.2	91.3	93.4	94.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 500		72.2	76.3	81.2	85.2	87.2	91.3	93.6	94.2	96.9	97.1	97.1	97.1	97.1	97.1	97.1
IV 400		72.2	76.3	81.2	85.2	87.2	91.3	93.6	94.2	96.9	97.1	98.1	98.1	98.1	98.1	98.1
IV 300		72.2	76.3	81.2	85.2	87.2	91.3	93.6	94.2	96.9	97.1	98.1	98.1	98.1	98.1	98.1
IV 200		72.2	76.3	81.2	85.2	87.2	91.3	93.6	94.2	96.9	97.1	98.1	98.1	98.1	98.1	98.1
IV 100		72.2	76.3	81.2	85.2	87.2	91.3	93.6	94.2	96.9	97.1	98.1	98.1	98.1	98.1	98.1
IV 0		72.2	76.3	81.2	85.2	87.2	91.3	93.6	94.2	96.9	97.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

485

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

2AB TULZ GERMANY AAF
STATION NAME

66-68
YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
TIME

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .58	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15
NO CEILING		46.2	46.2	46.2	48.1	48.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000		50.9	50.9	50.9	52.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 18000		50.9	50.9	50.9	52.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 16000		50.9	50.9	50.9	52.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 14000		50.9	50.9	50.9	52.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 12000		50.9	50.9	50.9	52.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 10000		50.9	50.9	50.9	52.8	52.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 9000		51.9	51.9	51.9	53.8	53.8	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 8000		52.8	52.8	52.8	54.7	54.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 7000		59.4	59.4	59.4	61.3	61.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 6000		61.3	61.3	61.3	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000		61.3	61.3	61.3	63.2	63.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 4500		64.2	67.9	67.9	69.8	69.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
IV 4000		65.1	67.9	68.9	70.8	70.8	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500		66.0	68.9	70.8	72.6	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 3000		66.0	68.9	70.8	72.6	72.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV 2500		69.8	72.6	76.4	79.2	79.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
IV 2000		70.8	77.4	83.0	85.8	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1800		70.8	77.4	84.9	88.7	88.7	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1500		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1200		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 900		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 800		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 700		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 600		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 500		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 400		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 300		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 200		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 100		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 0		71.7	78.3	85.8	90.6	91.5	92.5	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4

TOTAL NUMBER OF OBSERVATIONS 106

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

66-68
YEARS

AY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS U.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 20000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 12000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 10000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 9000		59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 8000		66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000		69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 6000		69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 5000		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500		74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4000		74.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3500		76.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 3000		79.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 2500		79.5	84.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 2000		79.5	84.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800		79.5	84.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1500		79.5	84.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 1200		79.5	89.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000		79.5	89.7	94.9	94.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 900		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		79.5	89.7	94.9	97.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

39

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 STATION BAD TOLZ GERMANY AAF

65-69

AY
MON

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0560

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1
NO CEILING		40.2	40.7	41.2	41.7	41.7	41.7	41.7	41.7	42.2	42.2	42.2	42.2	42.7
≥ 20000		43.7	44.2	44.7	45.2	45.2	45.2	45.2	45.2	45.7	45.7	45.7	45.7	46.2
IV 18000		43.7	44.2	44.7	45.2	45.2	45.2	45.2	45.2	45.7	45.7	45.7	45.7	46.2
IV 16000		43.7	44.2	44.7	45.2	45.2	45.2	45.2	45.2	45.7	45.7	45.7	45.7	46.2
IV 14000		43.7	44.2	44.7	45.2	45.2	45.2	45.2	45.2	45.7	45.7	45.7	45.7	46.2
IV 12000		44.2	44.7	45.2	45.7	45.7	45.7	45.7	45.7	46.2	46.2	46.2	46.2	46.7
IV 10000		44.7	45.2	45.7	46.2	46.2	46.2	46.2	46.2	46.7	46.7	46.7	46.7	47.2
IV 9000		45.7	46.2	46.7	47.2	47.2	47.2	47.2	47.2	47.7	47.7	47.7	47.7	48.2
IV 8000		50.3	50.8	51.3	51.8	51.8	52.3	52.3	52.3	52.8	52.8	52.8	52.8	53.3
IV 7000		52.8	53.3	53.8	54.3	54.3	54.8	55.3	55.3	55.8	55.8	55.8	55.8	56.3
IV 6000		55.3	55.8	56.3	56.8	57.3	57.8	58.3	58.3	58.8	58.8	58.8	58.8	59.3
IV 5000		56.8	57.3	57.8	58.3	58.8	59.3	59.8	59.8	60.3	60.3	60.3	60.3	60.8
IV 4500		58.8	59.3	59.8	60.3	60.8	61.3	61.8	61.8	62.3	62.3	62.3	62.3	62.8
IV 4000		62.0	62.5	63.0	63.5	64.0	64.5	65.0	65.0	65.5	65.5	65.5	65.5	66.0
IV 3500		64.0	64.5	65.0	65.5	66.0	66.5	67.0	67.0	67.5	67.5	67.5	67.5	68.0
IV 3000		65.0	65.5	66.0	66.5	67.0	67.5	68.0	68.0	68.5	68.5	68.5	68.5	69.0
IV 2500		72.9	73.4	73.9	74.4	74.9	75.4	75.9	75.9	76.4	76.4	76.4	76.4	76.9
IV 2000		76.4	76.9	77.4	77.9	78.4	78.9	79.4	79.4	79.9	79.9	79.9	79.9	80.4
IV 1800		76.4	76.9	77.4	77.9	78.4	78.9	79.4	79.4	79.9	79.9	79.9	79.9	80.4
IV 1500		77.4	77.9	78.4	78.9	79.4	79.9	80.4	80.4	80.9	80.9	80.9	80.9	81.4
IV 1200		78.4	78.9	79.4	79.9	80.4	80.9	81.4	81.4	81.9	81.9	81.9	81.9	82.4
IV 1000		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 900		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 800		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 700		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 600		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 500		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 400		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 300		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 200		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 100		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4
IV 0		79.4	79.9	80.4	80.9	81.4	81.9	82.4	82.4	82.9	82.9	82.9	82.9	83.4

TOTAL NUMBER OF OBSERVATIONS 159

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 3AP TOLZ GERMANY AAF

65-70

AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	6	≥ 5	≥ 4	≥ 3	≥ 2½	> 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	> 0
NO CEILING ≥ 20000		37.1 41.0	38.2 42.1	38.4 42.3	38.4 42.3	38.4 42.3	38.4 42.3	38.4 42.3	38.4 42.3	38.4 42.3	38.4 42.3	38.5 42.6	38.7 42.8	38.7 42.8	38.9 43.0	39.1 43.2
IV 18000		41.0 41.0	42.1 42.1	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.6 42.6	42.8 42.8	42.8 42.8	43.0 43.0	43.2 43.2
IV 16000		41.0 41.0	42.1 42.1	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.3 42.3	42.6 42.6	42.8 42.8	42.8 42.8	43.0 43.0	43.2 43.2
IV 14000		41.0 41.2	42.1 42.3	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.6 42.8	42.8 43.0	42.8 43.0	43.0 43.2	43.2 43.4
IV 12000		41.0 41.2	42.1 42.3	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.3 42.6	42.6 42.8	42.8 43.0	42.8 43.0	43.0 43.2	43.2 43.4
IV 10000		43.4 44.9	44.3 46.2	44.9 46.6	44.9 46.6	44.9 46.6	44.9 46.6	45.3 46.9	45.3 46.9	45.3 46.9	45.3 46.9	45.4 47.1	45.6 47.3	45.6 47.3	45.8 47.5	46.0 47.7
IV 9000		44.9 46.2	46.2 46.6	46.6 46.6	46.6 46.6	46.6 46.6	46.6 46.6	46.9 46.9	46.9 46.9	46.9 46.9	46.9 46.9	47.1 47.3	47.3 47.3	47.3 47.3	47.5 47.5	47.7 47.7
IV 8000		49.2 52.0	50.3 53.4	50.8 53.8	50.8 54.0	50.8 54.0	50.8 54.0	51.2 54.4	51.2 54.4	51.2 54.4	51.2 54.4	51.4 54.6	51.5 54.7	51.5 54.7	51.8 54.9	52.0 55.1
IV 7000		52.0 54.6	53.4 56.1	53.8 56.4	54.0 56.6	54.0 56.6	54.0 56.6	54.4 57.0	54.4 57.0	54.4 57.0	54.4 57.0	54.6 57.2	54.7 57.4	54.7 57.4	54.9 57.5	55.1 57.7
IV 6000		54.6 57.0	56.1 58.5	56.4 58.8	56.6 59.0	56.6 59.0	56.6 59.0	57.0 59.4	57.0 59.4	57.0 59.4	57.0 59.4	57.2 59.6	57.4 59.8	57.4 59.8	57.5 60.0	57.7 60.1
IV 5000		57.0 58.8	58.5 60.3	58.8 60.7	59.0 60.9	59.0 60.9	59.0 60.9	59.4 61.3	59.4 61.3	59.4 61.3	59.4 61.3	59.6 61.6	59.8 61.6	59.8 61.6	60.0 61.8	60.1 62.0
IV 4500		58.8 61.6	60.3 63.3	60.7 63.7	60.9 64.2	60.9 64.2	60.9 64.2	61.3 64.6	61.3 64.6	61.3 64.6	61.3 64.6	61.6 64.8	61.6 65.0	61.6 65.0	61.8 65.2	62.0 65.4
IV 4000		61.6 65.2	63.3 67.2	63.7 68.0	64.2 68.9	64.2 68.9	64.2 68.9	64.6 69.1	64.6 69.1	64.6 69.1	64.6 69.1	64.8 69.6	65.0 69.6	65.0 69.6	65.2 70.0	65.4 70.4
IV 3500		65.2 68.9	67.2 71.1	68.0 71.9	68.9 72.8	68.9 72.8	68.9 72.8	69.1 73.0	69.1 73.0	69.1 73.0	69.1 73.0	69.6 73.6	69.6 73.6	69.6 73.6	70.0 74.1	70.4 74.3
IV 3000		68.9 71.9	71.1 74.3	71.9 75.0	72.8 76.3	72.8 76.3	72.8 76.3	73.0 76.9	73.0 76.9	73.0 76.9	73.0 76.9	73.6 77.5	73.6 77.5	73.6 77.5	74.1 78.6	74.3 78.8
IV 2500		71.9 72.6	74.3 75.4	75.0 76.2	76.3 77.8	76.3 77.8	76.3 77.8	76.9 78.2	76.9 78.2	76.9 78.2	76.9 78.2	77.5 78.8	77.5 78.8	77.5 78.8	78.6 79.9	78.8 80.1
IV 2000		72.6 74.3	75.4 77.3	76.2 79.1	77.8 81.2	77.8 81.2	77.8 81.2	78.2 82.3	78.2 82.3	78.2 82.3	78.2 82.3	78.8 83.4	78.8 83.4	78.8 83.4	79.9 84.7	80.1 84.9
IV 1800		74.3 76.7	77.3 80.0	79.1 83.2	81.2 85.7	81.2 85.7	81.2 85.7	82.3 87.0	82.3 87.0	82.3 87.0	82.3 87.0	83.4 88.3	83.4 88.3	83.4 88.3	84.7 89.8	84.9 89.9
IV 1500		76.7 77.8	80.0 81.9	83.2 84.7	85.7 88.1	85.7 88.1	85.7 88.1	87.0 89.7	87.0 89.7	87.0 89.7	87.0 89.7	88.3 91.4	88.3 91.4	88.3 91.4	89.8 92.7	89.9 92.9
IV 1200		77.8 78.0	81.9 82.3	84.7 85.1	88.1 88.6	88.1 88.6	88.1 88.6	89.7 90.1	89.7 90.1	89.7 90.1	89.7 90.1	91.4 92.0	91.4 92.0	91.4 92.0	92.7 93.9	92.9 94.0
IV 1000		78.0 78.2	82.3 82.7	85.1 85.7	88.6 89.2	88.6 89.2	88.6 89.2	90.1 90.7	90.1 90.7	90.1 90.7	90.1 90.7	92.0 92.6	92.0 92.6	92.0 92.6	93.9 94.6	94.0 94.6
IV 900		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	92.6 93.1	92.6 93.1	92.6 93.1	94.6 95.5	94.6 95.7
IV 800		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	93.1 93.6	93.1 93.6	93.1 93.6	95.5 96.6	95.7 96.8
IV 700		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	93.6 94.1	93.6 94.1	93.6 94.1	96.6 97.3	96.8 97.5
IV 600		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	94.1 94.6	94.1 94.6	94.1 94.6	97.3 98.3	97.5 98.5
IV 500		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	94.6 95.1	94.6 95.1	94.6 95.1	98.3 99.3	98.5 99.5
IV 400		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	95.1 95.6	95.1 95.6	95.1 95.6	99.3 100.0	99.5 100.0
IV 300		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	95.6 96.1	95.6 96.1	95.6 96.1	100.0 100.0	100.0 100.0
IV 200		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	96.1 96.6	96.1 96.6	96.1 96.6	100.0 100.0	100.0 100.0
IV 100		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	96.6 97.1	96.6 97.1	96.6 97.1	100.0 100.0	100.0 100.0
IV 0		78.2 78.2	82.7 82.7	85.7 85.7	89.2 89.4	89.2 89.4	89.2 89.4	90.7 90.9	90.7 90.9	90.7 90.9	90.7 90.9	97.1 97.6	97.1 97.6	97.1 97.6	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 337

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING ≥ 20000	34.8 41.9	35.8 42.8	35.9 43.0	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2	36.1 43.2
IV 18000 IV 16000	41.9 41.9	42.8 42.8	43.0 43.0	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2	43.2 43.2
IV 14000 IV 12000	41.9 42.8	42.8 43.8	43.0 43.9	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1	43.2 44.1
IV 10000 IV 9000	44.1 45.8	45.1 46.2	45.3 46.4	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6	45.4 46.6
IV 8000 IV 7000	47.3 49.3	48.4 50.5	48.6 50.7	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8	48.8 50.8
IV 6000 IV 5000	51.2 53.3	52.3 54.4	52.5 54.6	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7	52.7 54.7
IV 4500 IV 4000	54.4 57.4	55.5 58.5	55.7 58.7	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8	55.9 58.8
IV 3500 IV 3000	60.5 64.8	61.6 66.5	61.8 67.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0	62.0 68.0
IV 2500 IV 2000	70.0 72.2	71.9 74.7	72.6 73.6	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7	73.6 76.7
IV 1800 IV 1500	73.4 77.1	75.8 78.9	76.9 81.9	78.0 83.4	78.2 84.2	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3	78.2 85.3
IV 1200 IV 1000	80.1 81.4	83.4 84.7	85.4 87.9	88.6 90.1	89.8 91.2	90.9 92.6	91.2 92.9	91.4 93.1	91.4 93.1	91.4 93.1	91.4 93.1	91.4 93.1	91.4 93.1	91.4 93.1	91.4 93.1	91.4 93.1
IV 900 IV 800	81.4 81.8	84.9 85.5	88.2 88.8	90.3 91.6	91.5 93.2	93.8 95.0	93.9 95.7	94.0 96.3	94.2 97.0	94.2 97.0	94.2 97.0	94.2 97.0	94.2 97.0	94.2 97.0	94.2 97.0	94.2 97.0
IV 700 IV 600	81.8 81.8	85.5 85.5	88.8 88.8	91.8 91.8	93.5 93.5	95.7 95.7	97.2 97.2	98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7	98.1 98.7
IV 500 IV 400	81.8 81.8	85.5 85.5	88.8 88.8	91.8 91.8	93.7 93.7	96.1 96.1	97.8 97.8	98.7 98.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 300 IV 200	81.8 81.8	85.5 85.5	88.8 88.8	91.8 91.8	93.7 93.7	96.1 96.1	97.8 97.8	98.7 98.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 IV 0	81.8 81.8	85.5 85.5	88.8 88.8	91.8 91.8	93.7 93.7	96.1 96.1	97.8 97.8	98.7 98.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8

TOTAL NUMBER OF OBSERVATIONS 357

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ .001
NO CEILING		30.4	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 20000		39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 18000		39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 16000		39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 14000		39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 12000		40.3	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 10000		41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 9000		42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 8000		43.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 7000		48.2	46.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 6000		49.9	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 5000		52.2	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4500		53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 4000		58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 3500		61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000		68.7	69.6	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 2500		73.7	77.6	78.2	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 2000		78.2	80.1	81.2	81.8	82.0	82.3	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1800		79.3	81.6	82.7	83.3	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1500		82.9	85.6	86.7	88.0	88.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200		83.9	86.7	88.6	90.7	91.3	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1000		84.1	87.1	89.2	91.7	92.2	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900		84.1	87.3	89.5	92.0	92.6	93.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800		84.3	87.3	89.7	92.4	93.9	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 700		84.4	87.7	90.3	94.1	94.9	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600		84.4	87.7	90.3	94.3	95.3	97.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500		84.4	87.7	90.3	94.3	95.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400		84.4	87.7	90.3	94.3	95.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300		84.4	87.7	90.3	94.3	95.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200		84.4	87.7	90.3	94.3	95.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100		84.4	87.7	90.3	94.3	95.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0		84.4	87.7	90.3	94.3	95.4	97.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 527

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

BY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0.01
NO CEILING ≥ 20000		30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
IV 18000		39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 16000		39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 14000		39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 12000		40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 10000		41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 9000		42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
IV 8000		47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IV 7000		49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
IV 6000		50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 5000		53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 4500		55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
IV 4000		60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 3500		65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 3000		73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 2500		80.0	81.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
IV 2000		82.3	84.1	85.4	85.4	85.4	85.8	85.8	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0
IV 1800		83.3	85.0	86.8	87.1	87.1	87.3	87.7	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9
IV 1500		84.6	86.4	88.3	88.9	89.1	89.6	90.0	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2
IV 1200		84.8	86.9	89.8	91.2	91.6	92.1	92.5	92.5	92.5	93.7	93.7	93.7	93.7	93.7	93.7
IV 1000		84.8	87.1	90.4	91.7	92.5	93.1	93.7	93.7	94.5	94.8	94.8	95.0	95.0	95.0	95.0
IV 900		84.8	87.1	90.6	92.1	92.9	93.3	94.0	94.0	95.0	95.2	95.2	95.4	95.4	95.4	95.4
IV 800		85.0	87.3	91.0	92.5	93.3	94.6	95.4	95.6	96.7	96.9	96.9	97.1	97.1	97.1	97.1
IV 700		85.4	87.7	91.4	93.1	93.9	95.2	96.0	96.2	97.5	97.7	97.7	97.9	97.9	97.9	97.9
IV 600		85.4	87.7	91.6	93.3	94.2	95.8	96.5	96.7	98.1	98.3	98.3	98.5	98.5	98.5	98.5
IV 500		85.4	87.7	91.6	93.3	94.2	96.4	97.1	97.3	98.7	98.8	98.8	99.4	99.4	99.4	99.4
IV 400		85.4	87.7	91.6	93.3	94.2	96.4	97.1	97.5	99.0	99.2	99.2	99.8	100.0	100.0	100.0
IV 300		85.4	87.7	91.6	93.3	94.2	96.4	97.1	97.5	99.0	99.2	99.2	99.8	100.0	100.0	100.0
IV 200		85.4	87.7	91.6	93.3	94.2	96.4	97.1	97.5	99.0	99.2	99.2	99.8	100.0	100.0	100.0
IV 100		85.4	87.7	91.6	93.3	94.2	96.4	97.1	97.5	99.0	99.2	99.2	99.8	100.0	100.0	100.0
IV 0		85.4	87.7	91.6	93.3	94.2	96.4	97.1	97.5	99.0	99.2	99.2	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 521

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

4197 RAP TOLZ GERMANY AAF

65-70

AY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1870-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING		38.7	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 20000		43.3	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 18000		43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 16000		43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 14000		44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000		44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000		46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 9000		47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 8000		53.2	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 7000		55.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000		57.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 5000		58.3	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 4500		62.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4000		65.1	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 3500		69.0	70.5	70.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000		75.1	77.4	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500		79.9	84.3	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000		81.7	86.3	87.8	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800		81.9	86.5	88.0	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1500		82.7	87.3	88.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200		84.2	88.8	91.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000		84.2	88.8	91.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 900		84.7	89.3	91.9	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 800		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 0		85.0	89.6	92.1	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 393

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197

BAR TOLZ GERMANY AAF

66-66

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBLE STATURES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0	<	> 1	> 2	> 3	> 4	> 5	> 6	> 10
NO CEILING	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 20000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
18000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
16000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
14000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
12000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
10000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
9000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
8300	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
7000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
5000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
4000	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
3500	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
3000	71.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2500	73.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
2000	75.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1800	76.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1500	76.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1200	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1000	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
900	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
800	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
700	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
600	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
500	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
400	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
300	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
200	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
100	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
0	78.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

TOTAL NUMBER OF OBSERVATIONS

60

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

67-69

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05
NO CEILING ≥ 20000				44.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 18000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 16000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 14000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 12000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 10000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 9000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 7000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 6000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 5000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4500				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 4000				44.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500		11.1	11.1	55.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3000		11.1	11.1	55.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 2500		22.2	22.2	66.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 2000		22.2	22.2	66.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1800		22.2	22.2	66.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 1500		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		33.3	33.3	77.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

9

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

36197 STATION NAME BAD TOLZ GERMANY AAF

65-69 YEARS

0300-0500 HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		35.9	37.4	39.3	40.8	40.8	41.7	41.7	41.7	41.7	42.2	42.2	42.2	42.2	42.2	43.7
≥ 20000		37.4	38.8	40.8	42.7	42.7	43.7	43.7	43.7	43.7	44.2	44.2	44.2	44.2	44.2	45.6
NV 18000		37.4	38.8	40.8	42.7	42.7	43.7	43.7	43.7	43.7	44.2	44.2	44.2	44.2	44.2	45.6
NV 16000		37.4	38.8	40.8	42.7	42.7	43.7	43.7	43.7	43.7	44.2	44.2	44.2	44.2	44.2	45.6
NV 14000		37.4	38.8	40.8	42.7	42.7	43.7	43.7	43.7	43.7	44.2	44.2	44.2	44.2	44.2	45.6
NV 12000		37.4	38.8	40.8	42.7	42.7	43.7	43.7	43.7	43.7	44.2	44.2	44.2	44.2	44.2	45.6
NV 10000		37.9	39.3	41.3	43.2	43.2	44.2	44.2	44.2	44.2	44.7	44.7	44.7	44.7	44.7	46.1
NV 9000		38.8	40.3	42.2	44.2	44.2	45.1	45.1	45.1	45.1	45.6	45.6	45.6	45.6	45.6	47.1
NV 8000		41.7	43.7	45.6	48.1	48.1	49.0	49.0	49.0	49.0	49.5	49.5	49.5	49.5	49.5	51.0
NV 7000		43.2	45.1	47.1	49.5	49.5	50.5	50.5	50.5	50.5	51.0	51.0	51.0	51.0	51.0	52.4
NV 6000		44.7	46.6	48.5	51.0	51.0	51.9	51.9	51.9	51.9	52.4	52.4	52.4	52.4	52.4	53.9
NV 5000		47.6	49.5	51.5	53.9	53.9	54.9	54.9	54.9	54.9	55.3	55.3	55.3	55.3	55.3	56.8
NV 4500		48.1	50.5	52.4	54.9	54.9	55.8	55.8	55.8	55.8	56.3	56.3	56.3	56.3	56.3	57.8
NV 4000		51.5	54.4	56.8	59.2	59.2	60.2	60.2	60.2	60.2	60.7	60.7	60.7	60.7	60.7	62.1
NV 3500		55.8	59.2	61.7	64.1	64.1	65.5	65.5	65.5	65.5	66.0	66.0	66.0	66.0	66.0	67.5
NV 3000		59.7	63.1	66.5	69.4	69.4	70.9	70.9	70.9	70.9	71.4	71.4	71.4	71.4	71.4	72.8
NV 2500		63.6	67.5	71.4	74.3	74.3	75.7	75.7	75.7	75.7	76.2	76.2	76.2	76.2	76.2	77.7
NV 2000		67.0	71.4	75.2	78.6	78.6	79.6	79.6	80.1	80.1	80.6	80.6	80.6	80.6	80.6	82.0
NV 1800		68.4	73.3	77.2	80.6	81.1	82.0	82.0	82.2	82.2	82.8	82.8	82.8	82.8	82.8	84.3
NV 1500		69.9	74.8	80.1	84.5	85.0	85.9	85.9	86.4	86.4	86.9	86.9	86.9	86.9	86.9	88.3
NV 1200		70.4	76.7	82.0	87.4	88.3	89.8	89.8	90.3	90.3	90.8	90.8	90.8	90.8	90.8	92.2
NV 1000		70.4	76.7	82.0	87.4	88.3	89.8	89.8	90.3	90.3	90.8	90.8	90.8	90.8	90.8	92.7
NV 900		70.4	76.7	82.0	87.4	88.3	89.8	89.8	90.3	90.3	90.8	90.8	90.8	90.8	90.8	94.2
NV 800		70.4	76.7	82.0	87.4	88.3	89.8	89.8	90.3	90.3	90.8	90.8	90.8	90.8	90.8	95.6
NV 700		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	97.1
NV 600		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	97.1
NV 500		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	98.5
NV 400		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	100.0
NV 300		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	100.0
NV 200		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	100.0
NV 100		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	100.0
NV 0		70.4	76.7	82.0	88.3	91.3	92.2	92.2	92.7	92.7	93.2	93.2	93.2	93.2	93.2	100.0

TOTAL NUMBER OF OBSERVATIONS 206

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24197 BAB TOLZ GERMANY AAF

65-7

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-0800
HOURS L.S.

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	≥ 5/8	≥ ½	≥ 5/16	¼	> 0	
NO CEILING ≥ 20000		41.2 44.6	42.1 45.6	43.3 46.7	43.4 47.3	43.9 47.3	44.1 47.3	44.1 47.3	44.1 47.3	44.1 47.3	44.1 47.3	44.1 47.3	44.1 47.3	44.3 47.7	44.3 47.7	44.3 47.7	
IV 18000 16000		45.2 45.2	46.2 46.2	47.3 47.3	47.9 47.9	47.9 47.9	48.1 48.1	48.1 48.1	48.1 48.1	48.1 48.1	48.1 48.1	48.1 48.1	48.1 48.1	48.3 48.3	48.3 48.3	48.3 48.3	
IV 14000 12000		45.4 45.4	46.4 46.4	47.5 47.5	48.1 48.1	48.1 48.1	48.3 48.3	48.3 48.3	48.3 48.3	48.3 48.3	48.3 48.3	48.3 48.3	48.3 48.3	48.5 48.5	48.5 48.5	48.5 48.5	
IV 10000 9000		47.1 48.1	48.1 49.0	49.2 50.2	49.8 50.8	49.8 50.8	50.0 51.0	50.0 51.0	50.0 51.0	50.0 51.0	50.0 51.0	50.0 51.0	50.0 51.0	50.2 51.1	50.2 51.1	50.2 51.1	
IV 8000 7000		52.7 53.8	53.6 54.8	54.8 55.9	55.4 56.5	55.4 56.5	55.6 56.7	55.6 56.7	55.6 56.7	55.6 56.7	55.6 56.7	55.6 56.7	55.6 56.7	55.7 56.9	55.7 56.9	55.7 56.9	
IV 6000 5000		55.4 58.6	56.3 59.6	57.5 60.7	58.0 61.3	58.0 61.3	58.2 61.5	58.2 61.5	58.2 61.5	58.2 61.5	58.2 61.5	58.2 61.5	58.2 61.5	58.4 61.7	58.4 61.7	58.4 61.7	
IV 4500 4000		59.2 61.7	60.3 62.8	61.9 64.4	62.5 64.9	62.5 65.1	62.6 65.3	62.6 65.3	62.6 65.3	62.6 65.3	62.6 65.3	62.6 65.3	62.6 65.3	62.8 65.5	62.8 65.5	62.8 65.5	
IV 3500 3000		63.6 67.8	64.8 69.0	66.3 70.9	66.9 71.5	67.2 71.8	67.4 72.0	67.4 72.0	67.4 72.0	67.4 72.0	67.4 72.0	67.4 72.0	67.4 72.0	67.6 72.2	67.6 72.2	67.6 72.2	
IV 2500 2000		71.8 75.3	73.0 77.0	74.9 78.9	75.5 79.7	75.9 80.1	76.1 80.5	76.1 80.5	76.1 80.5	76.1 80.5	76.1 80.5	76.1 80.5	76.1 80.5	76.2 80.7	76.2 80.7	76.2 80.7	
IV 1800 1500		76.4 78.4	78.7 81.2	80.7 84.1	81.4 85.4	81.8 85.8	82.2 86.4	82.2 86.4	82.2 86.4	82.2 86.4	82.2 86.4	82.2 86.4	82.2 86.4	82.4 86.6	82.4 86.6	82.4 86.6	
IV 1200 1000		79.5 79.5	82.6 82.6	86.2 86.4	88.7 89.3	89.3 90.0	90.2 91.0	90.2 91.0	90.2 91.0	90.2 91.0	90.2 91.0	90.2 91.0	90.2 91.0	90.4 91.6	90.4 91.6	90.4 91.6	
IV 900 800		79.5 79.5	82.6 82.6	86.4 86.4	90.0 90.2	91.0 91.8	92.3 93.3	92.3 93.3	92.3 93.3	92.3 93.3	92.3 93.3	92.3 93.3	92.3 93.3	93.1 94.8	93.1 94.8	93.1 94.8	
IV 700 600		79.5 79.5	82.8 82.8	86.6 86.6	90.6 90.6	92.5 92.5	94.6 94.8	94.8 95.0	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	95.4 95.6	96.7 97.1	96.7 97.1	96.7 97.1	
IV 500 400		79.7 79.7	83.1 83.1	87.0 87.2	91.2 91.4	93.1 93.7	95.8 96.6	96.4 97.3	97.9 97.9	98.3 98.3	98.3 98.3	98.3 98.3	98.3 98.3	98.7 99.6	98.7 99.6	98.7 99.6	
IV 300 200		79.7 79.7	83.1 83.1	87.2 87.2	91.4 91.4	93.7 93.7	96.6 96.6	97.3 97.3	97.9 97.9	98.4 98.4	98.4 98.4	98.4 98.4	98.4 98.4	99.8 100.0	99.8 100.0	99.8 100.0	
IV 100 0		79.7 79.7	83.1 83.1	87.2 87.2	91.4 91.4	93.7 93.7	96.6 96.6	97.3 97.3	97.9 97.9	98.4 98.4	98.4 98.4	98.4 98.4	98.4 98.4	99.8 100.0	99.8 100.0	99.8 100.0	

TOTAL NUMBER OF OBSERVATIONS

322

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

62-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1950-1959
MONTH

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 3/4	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000		38.7 43.7	39.5 44.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4	40.2 45.4
IV 18000 IV 16000		43.7 44.4	44.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4	45.4 45.4
IV 14000 IV 12000		43.9 44.1	44.6 44.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8	45.6 45.8
IV 10000 IV 9000		47.1 48.5	47.9 49.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2	48.9 50.2
IV 8000 IV 7000		53.1 53.6	53.8 54.6	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9	55.2 55.9
IV 6000 IV 5000		58.4 60.2	59.4 61.1	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6	60.7 62.6
IV 4500 IV 4000		62.8 65.3	63.8 66.3	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8	65.3 67.8
IV 3500 IV 3000		72.0 74.9	73.4 76.6	74.9 78.2	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4
IV 2500 IV 2000		77.8 78.7	80.3 81.4	81.8 83.1	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3	82.2 83.3
IV 1800 IV 1500		81.8 83.9	83.4 85.5	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4	85.3 87.4
IV 1200 IV 1000		84.3 84.7	86.9 87.3	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5	89.3 89.5
IV 900 IV 800		85.2 85.4	87.8 88.0	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8	90.4 90.8
IV 700 IV 600		85.4 85.4	90.0 90.0	94.8 94.8	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7
IV 500 IV 400		85.4 85.4	90.0 90.0	94.8 94.8	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7
IV 300 IV 200		85.4 85.4	90.0 90.0	94.8 94.8	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7
IV 100 IV 0		85.4 85.4	90.0 90.0	94.8 94.8	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7	96.7 96.7

TOTAL NUMBER OF OBSERVATIONS 522

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LTST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING ≥ 20000	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
NV 18000	41.4	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
NV 16000	41.4	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
NV 14000	41.4	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
NV 12000	41.8	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
NV 10000	43.0	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
NV 9000	44.5	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
NV 8000	47.5	47.7	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
NV 7000	48.4	48.6	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
NV 6000	50.0	50.2	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
NV 5000	51.8	52.0	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
NV 4500	54.9	55.1	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
NV 4000	57.8	58.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
NV 3500	63.5	64.1	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
NV 3000	71.9	72.7	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
NV 2500	80.5	81.8	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
NV 2000	85.0	86.7	89.1	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
NV 1800	85.5	87.3	90.2	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
NV 1500	86.5	88.9	92.0	93.2	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
NV 1200	87.9	90.4	93.6	94.7	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
NV 1000	88.5	91.2	94.3	95.5	95.9	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
NV 900	88.5	91.4	94.9	96.3	97.1	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
NV 800	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 700	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 600	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 500	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 400	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 300	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 200	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 100	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
NV 0	89.1	92.0	96.1	97.5	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 512

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 STATION BAD TOLZ GERMANY AAF

65-70 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/10	≥ ¼	≥ 0
NO CEILING		34.7	34.7	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
IV 20000		41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 18000		41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 16000		41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 14000		41.0	41.0	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 12000		41.4	41.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 10000		43.4	43.4	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 9000		43.2	43.2	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 8000		47.9	47.9	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 7000		49.5	49.5	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 6000		51.2	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 5000		53.1	53.1	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 4500		55.8	56.0	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 4000		60.6	60.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500		66.3	67.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 3000		75.9	76.9	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 2500		82.1	84.4	87.0	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 2000		83.6	88.2	90.7	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800		85.6	88.2	90.7	91.2	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1500		86.4	89.0	92.1	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 1200		88.0	91.1	94.5	96.4	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 1000		88.6	91.9	95.3	97.2	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900		88.6	91.9	95.3	97.4	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 800		88.6	91.9	95.7	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 700		88.6	91.9	95.7	97.8	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600		88.6	91.9	95.7	97.8	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 500		88.6	91.9	95.9	98.0	98.4	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400		88.6	91.9	95.9	98.0	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		88.6	91.9	95.9	98.0	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		88.6	91.9	95.9	98.0	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		88.6	91.9	95.9	98.0	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		88.6	91.9	95.9	98.0	98.4	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 507

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 5/8	≥ 1/2	≥ 1/4
NO CEILING		32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 20000		40.5	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 18000		40.5	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 16000		40.5	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 14000		40.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
IV 12000		42.6	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
IV 10000		43.2	43.2	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
IV 9000		43.8	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 8000		48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 7000		49.4	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 6000		51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 5000		53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 4500		55.9	55.9	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 4000		63.0	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 3500		68.9	68.9	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 3000		73.7	73.7	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 2500		83.4	83.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000		84.6	84.6	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800		84.9	84.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1500		86.1	86.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 1200		87.9	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1000		87.9	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 900		87.9	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 800		87.9	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 700		87.9	87.9	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 600		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 500		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 400		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 300		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 200		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 100		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 0		88.2	88.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

338

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

67-68

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2,01-2300
NO. OF OBS.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 18000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 16000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 14000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 12000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 10000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 9000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 8000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 7000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 6000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 5000	9.1	27.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 4500	27.3	45.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 4000	36.4	54.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3500	36.4	54.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	36.4	54.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 2500	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	63.6	81.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 11

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-69
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6400-0500
TODAY (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 7/8	≥ 1/2	≥ 1/4	≥ 0
NO CEILING		38.5	42.1	43.0	44.3	44.3	44.3	45.7	46.2	47.1	48.0	48.0	49.3	50.2	50.7	52.0
≥ 20000		38.5	42.1	43.0	44.3	44.3	44.3	45.7	46.2	47.1	48.0	48.0	49.3	50.2	50.7	52.0
≥ 18000		38.5	42.1	43.0	44.3	44.3	44.3	45.7	46.2	47.1	48.0	48.0	49.3	50.2	50.7	52.0
≥ 16000		38.5	42.1	43.0	44.3	44.3	44.3	45.7	46.2	47.1	48.0	48.0	49.3	50.2	50.7	52.0
≥ 14000		38.5	42.1	43.0	44.3	44.3	44.3	45.7	46.2	47.1	48.0	48.0	49.3	50.2	50.7	52.0
≥ 12000		38.5	42.1	43.0	44.3	44.3	44.3	45.7	46.2	47.1	48.0	48.0	49.3	50.2	50.7	52.0
≥ 10000		40.3	43.9	44.8	46.2	46.2	46.2	47.5	48.0	48.9	49.8	49.8	51.1	52.0	52.5	53.8
≥ 9000		40.3	43.9	44.8	46.2	46.2	46.2	47.5	48.0	48.9	49.8	49.8	51.1	52.0	52.5	53.8
≥ 8000		42.1	46.2	47.1	48.4	48.4	48.4	49.3	50.2	51.1	52.0	52.0	53.4	54.3	54.8	56.1
≥ 7000		43.4	47.5	48.4	49.8	49.8	49.8	51.1	51.6	52.5	53.4	53.4	54.8	55.7	56.1	57.5
≥ 6000		45.7	49.8	50.7	52.0	52.0	52.0	53.4	53.8	54.8	55.7	55.7	57.0	57.9	58.4	59.7
≥ 5000		49.3	53.4	54.8	56.1	56.1	56.1	57.9	58.4	59.3	60.2	60.2	61.5	62.4	62.9	64.3
≥ 4500		51.1	55.2	56.6	57.9	57.9	57.9	59.3	60.2	60.6	61.5	62.4	62.4	63.8	64.7	65.2
≥ 4000		53.4	57.5	58.4	60.2	60.2	60.2	61.5	62.4	62.4	63.8	64.7	64.7	66.1	67.0	67.5
≥ 3500		55.7	59.7	61.1	62.4	62.4	62.4	63.8	64.7	65.2	66.1	67.0	67.9	67.9	69.2	70.1
≥ 3000		57.9	61.9	63.3	64.7	64.7	64.7	66.1	67.0	67.9	68.8	69.2	70.1	70.1	71.4	72.0
≥ 2500		59.7	63.8	65.2	66.6	66.6	66.6	68.0	68.8	69.7	70.6	71.5	72.4	73.3	74.2	75.1
≥ 2000		61.9	66.0	67.4	68.8	68.8	68.8	70.2	71.1	72.0	72.9	73.8	74.7	75.6	76.5	77.4
≥ 1800		63.8	67.9	69.3	70.6	70.6	70.6	72.0	72.9	73.8	74.7	75.6	76.5	77.4	78.3	79.2
≥ 1500		65.2	69.3	70.6	72.0	72.0	72.0	73.4	74.3	75.2	76.1	77.0	77.9	78.8	79.7	80.6
≥ 1200		67.4	71.5	72.9	74.3	74.3	74.3	75.7	76.6	77.5	78.4	79.3	80.2	81.1	82.0	82.9
≥ 1000		69.3	73.4	74.8	76.2	76.2	76.2	77.6	78.5	79.4	80.3	81.2	82.1	83.0	83.9	84.8
≥ 900		71.5	75.6	77.0	78.4	78.4	78.4	79.8	80.7	81.6	82.5	83.4	84.3	85.2	86.1	87.0
≥ 800		73.4	77.5	78.9	80.3	80.3	80.3	81.7	82.6	83.5	84.4	85.3	86.2	87.1	88.0	88.9
≥ 700		75.6	79.7	81.1	82.5	82.5	82.5	83.9	84.8	85.7	86.6	87.5	88.4	89.3	90.2	91.1
≥ 600		77.5	81.6	83.0	84.4	84.4	84.4	85.8	86.7	87.6	88.5	89.4	90.3	91.2	92.1	93.0
≥ 500		79.7	83.8	85.2	86.6	86.6	86.6	88.0	88.9	89.8	90.7	91.6	92.5	93.4	94.3	95.2
≥ 400		81.6	85.7	87.1	88.5	88.5	88.5	89.9	90.8	91.7	92.6	93.5	94.4	95.3	96.2	97.1
≥ 300		83.8	87.9	89.3	90.7	90.7	90.7	92.1	93.0	93.9	94.8	95.7	96.6	97.5	98.4	99.3
≥ 200		85.7	89.8	91.2	92.6	92.6	92.6	94.0	94.9	95.8	96.7	97.6	98.5	99.4	100.0	100.0
≥ 100		87.9	92.0	93.4	94.8	94.8	94.8	96.2	97.1	98.0	98.9	99.8	100.0	100.0	100.0	100.0
≥ 0		89.8	93.9	95.3	96.7	96.7	96.7	98.1	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 221

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

J L
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

600-0900
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		39.6	42.6	43.2	43.4	43.4	43.8	44.0	44.2	44.2	44.4	44.4	44.4	44.4	44.6	45.0
≥ 20000		43.4	44.4	45.3	45.5	45.5	45.9	46.1	46.3	46.3	46.7	46.7	46.7	46.7	46.9	47.3
IV 18000		41.4	44.4	45.3	45.5	45.5	45.9	46.1	46.3	46.3	46.7	46.7	46.7	46.7	46.9	47.3
IV 16000		41.4	44.4	45.3	45.5	45.5	45.9	46.1	46.3	46.3	46.7	46.7	46.7	46.7	46.9	47.3
IV 14000		41.4	44.4	45.3	45.5	45.5	45.9	46.1	46.3	46.3	46.7	46.7	46.7	46.7	46.9	47.2
IV 12000		41.4	44.4	45.3	45.5	45.5	45.9	46.1	46.3	46.3	46.7	46.7	46.7	46.7	46.9	47.2
IV 10000		42.2	45.1	46.1	46.3	46.3	46.7	46.9	47.3	47.3	47.5	47.5	47.5	47.5	47.7	48.1
IV 9000		42.4	45.3	46.3	46.3	46.3	46.9	47.1	47.3	47.3	47.7	47.7	47.7	47.7	47.9	48.3
IV 8000		45.0	47.9	48.9	49.1	49.1	49.5	49.7	50.1	50.1	50.3	50.3	50.3	50.3	50.5	50.9
IV 7000		46.1	49.1	50.1	50.5	50.5	51.1	51.5	51.9	51.9	52.1	52.1	52.1	52.1	52.3	52.7
IV 6000		48.9	52.1	53.1	53.5	53.5	54.1	54.3	54.9	54.9	55.0	55.0	55.0	55.0	55.2	55.6
IV 5000		53.3	56.4	57.8	58.2	58.2	58.8	59.2	59.6	59.6	59.8	59.8	59.8	59.8	60.0	60.4
IV 4500		57.6	61.0	62.4	62.8	62.8	63.8	64.2	64.6	64.6	64.8	64.8	64.8	64.8	65.0	65.3
IV 4000		61.8	65.2	66.7	67.3	67.3	68.3	68.9	69.3	69.3	69.5	69.5	69.5	69.5	69.7	70.1
IV 3500		65.3	68.9	70.5	71.1	71.1	72.1	72.7	73.1	73.1	73.3	73.3	73.3	73.3	73.5	73.9
IV 3000		68.7	72.7	75.4	76.4	76.4	77.6	78.0	78.4	78.4	78.6	78.6	78.6	78.6	78.8	79.2
IV 2500		70.9	76.2	79.4	80.6	80.6	82.0	82.4	82.8	82.8	83.0	83.0	83.0	83.0	83.2	83.6
IV 2000		73.1	78.8	82.0	83.4	83.4	85.0	85.5	85.9	86.1	86.2	86.3	86.3	86.3	86.5	86.9
IV 1800		74.3	80.8	84.4	86.3	86.3	88.3	88.9	89.3	89.3	89.5	89.5	89.5	89.5	89.7	90.3
IV 1500		75.2	82.3	87.5	90.5	90.5	92.9	93.5	93.9	94.1	94.2	94.3	94.3	94.3	94.5	94.9
IV 1200		75.4	83.2	87.9	91.1	91.1	94.1	94.7	95.0	95.2	95.4	95.4	95.4	95.4	95.6	96.0
IV 1000		75.6	83.4	88.2	91.5	91.5	95.0	95.6	96.0	96.4	96.6	96.6	96.6	96.6	96.8	97.2
IV 900		75.8	83.4	88.3	91.5	91.5	95.2	96.0	96.4	96.8	97.0	97.0	97.0	97.0	97.2	97.6
IV 800		76.0	84.0	89.1	92.3	92.3	96.6	97.4	98.0	98.8	99.0	99.0	99.0	99.0	99.2	99.6
IV 700		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 600		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 500		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 400		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 300		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 200		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 100		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0
IV 0		76.0	84.0	89.1	92.3	92.3	97.0	97.8	98.4	99.2	99.4	99.4	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 505

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

99-111
NO. OF

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		42.8	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 20000		47.7	48.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
18000		47.7	48.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
16000		47.7	48.9	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
14000		47.9	49.1	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
12000		47.9	49.1	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
10000		48.9	50.1	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
9000		48.9	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
8000		52.3	53.9	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
7000		53.7	55.6	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
6000		56.0	58.0	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
5000		59.4	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
4500		63.2	65.1	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
4000		66.5	68.5	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
3500		69.7	72.1	73.1	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
3000		72.5	75.2	77.0	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
2500		78.4	82.2	84.0	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2000		80.4	84.6	86.5	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1800		81.6	85.9	88.3	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
1500		83.6	88.9	92.7	94.1	94.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
1200		84.4	90.3	94.8	95.8	95.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
1000		85.1	91.3	95.6	97.2	97.2	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
900		85.3	91.5	95.8	97.4	97.4	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
800		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
700		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
600		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
500		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
400		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
300		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
200		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
100		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
0		85.3	91.7	96.0	97.8	97.8	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 305

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
FARES

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-14-1
WINDS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .01	≥ .00
NO CEILING		40.5	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 20000		45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 18000		45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 16000		45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 14000		45.1	46.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 12000		47.1	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000		49.8	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 9000		52.1	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 8000		57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 7000		61.6	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 6000		63.2	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 5000		64.5	64.9	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 4500		66.7	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 4000		70.0	70.5	70.7	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 3500		74.0	74.6	75.0	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000		78.9	79.8	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500		87.6	88.8	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000		89.7	90.9	91.3	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1800		89.7	91.3	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1500		90.7	92.4	93.6	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200		91.3	93.6	95.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 600		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 500		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 300		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 200		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 100		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 0		91.7	94.4	95.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS

484

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

DAB TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1520-1700
MONTH

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ ⅓	≥ ¼	≥ 0
NO CEILING		37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000		37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 18000		40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000		40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000		40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 12000		41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 10000		44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 9000		46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 8000		51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 7000		55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 6000		57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000		62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 4500		63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 4000		69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 3500		73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000		80.7	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 2500		88.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000		90.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800		91.0	92.8	93.0	93.2	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 1500		91.9	94.3	94.5	94.7	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200		93.0	95.8	96.1	96.3	96.7	97.4	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000		93.2	96.1	96.3	96.5	96.9	97.6	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900		93.9	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 0		93.6	96.3	96.5	96.7	97.1	97.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 456

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAU TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1300-2300
MONTH

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING		41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 20000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 18000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 16000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 14000		47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 12000		49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 10000		52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 9000		54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 8000		59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 7000		63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 6000		66.1	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 5000		68.7	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 4500		72.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 4000		77.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 3500		82.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000		86.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 2500		91.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 2000		92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800		92.0	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1500		92.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1200		93.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 700		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 300		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 200		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 100		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 0		93.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 339

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

67
YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≤ 2	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000																
≥ 18000 ≥ 16000																
≥ 14000 ≥ 12000																
≥ 10000 ≥ 9000																
≥ 8000 ≥ 7000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 6000 ≥ 5000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500 ≥ 4000		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500 ≥ 3000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAF TOLZ GERMANY AAF
STATION NAME

67
YEARS

6
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0010-020
HOURS (L S Y)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 5	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 3/4	≥ 3/8	≥ 1/2	≥ 0
NO CEILING				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 20000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 18000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 16000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 14000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 12000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 10000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 9000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 8000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 7000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 6000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 5000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 4500				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 4000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 3500				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 3000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 2500				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 2000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 1800				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 1500				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 1200				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 1000				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 900				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 800				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 700				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 600				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 500				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 400				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 300				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 200				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 100				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 0				100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

TOTAL NUMBER OF OBSERVATIONS 2

1

THE UNIVERSITY OF CHICAGO PRESS

65-69

26

2300-0500

TOTAL NUMBER OF OBSERVATIONS 243

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 STATION BAU TOLZ GERMANY AAF

65-70 YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800 HOURS U.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		28.8	30.3	33.1	35.0	35.4	36.1	36.3	36.5	36.9	37.3	37.6	37.6	37.8	38.0	38.1
≥ 20000		32.2	33.9	36.5	38.4	38.8	39.5	39.7	39.9	40.3	40.6	41.0	41.0	41.2	41.4	42.1
IV 18000		32.2	33.9	36.5	38.4	38.8	39.5	39.7	39.9	40.3	40.6	41.0	41.0	41.2	41.4	42.1
IV 16000		32.2	33.9	36.5	38.4	38.8	39.5	39.7	39.9	40.3	40.6	41.0	41.0	41.2	41.4	42.1
IV 14000		32.8	34.5	37.1	39.0	39.3	40.1	40.3	40.4	40.8	41.2	41.6	41.6	41.8	41.9	42.7
IV 12000		32.8	34.5	37.1	39.0	39.3	40.1	40.3	40.4	40.8	41.2	41.6	41.6	41.8	41.9	42.7
IV 10000		33.0	36.7	39.3	41.2	41.6	42.2	42.5	42.7	43.2	43.6	44.0	44.0	44.4	44.6	45.3
IV 9000		35.8	37.5	40.1	41.9	42.3	43.1	43.3	43.4	44.0	44.4	44.8	44.8	45.1	45.3	46.1
IV 8000		41.6	44.0	46.8	49.1	49.6	50.4	50.6	50.9	51.5	51.9	52.2	52.2	52.5	52.8	53.6
IV 7000		43.9	46.4	49.3	51.5	52.1	52.6	53.0	53.4	53.9	54.3	54.7	54.7	55.1	55.2	56.0
IV 6000		45.2	48.7	51.7	53.9	54.5	55.2	55.4	55.8	56.4	56.7	57.3	57.3	57.7	57.9	58.6
IV 5000		48.5	51.9	54.9	57.1	57.7	58.4	58.6	59.0	59.6	59.9	60.5	60.5	60.9	61.0	61.8
IV 4500		50.0	53.4	56.7	59.0	59.6	60.3	60.7	61.0	61.6	62.2	62.7	62.7	63.1	63.3	64.0
IV 4000		54.9	58.4	61.8	64.0	64.6	65.7	65.9	66.3	66.9	67.4	68.0	68.0	68.4	68.5	69.3
IV 3500		56.9	60.3	63.9	66.1	66.9	68.0	68.2	68.5	69.1	69.7	70.2	70.2	70.6	70.8	71.5
IV 3000		60.5	64.6	68.7	71.3	72.1	73.2	73.4	73.8	74.3	74.9	75.5	75.5	75.8	76.0	76.8
IV 2500		64.2	69.1	73.6	76.8	77.5	78.7	78.8	79.2	79.8	80.3	80.9	80.9	81.3	81.5	82.2
IV 2000		67.0	72.7	77.9	81.1	81.8	83.0	83.1	83.5	84.1	84.6	85.2	85.2	85.6	85.8	86.5
IV 1800		67.8	73.6	78.8	82.0	82.8	84.1	84.3	84.6	85.2	85.8	86.3	86.3	86.7	86.9	87.6
IV 1500		68.5	75.3	80.7	84.3	85.0	86.3	86.9	87.3	87.8	88.4	89.0	89.0	89.3	89.5	90.3
IV 1200		69.8	77.0	82.8	86.9	87.6	89.3	90.4	90.8	91.4	91.9	92.5	92.5	92.9	93.1	93.8
IV 1000		69.7	77.3	83.1	87.3	88.0	90.2	91.2	91.6	92.1	92.7	93.3	93.3	93.6	93.8	94.6
IV 900		69.9	77.5	83.3	87.5	88.2	90.4	91.4	91.8	92.3	92.9	93.5	93.5	93.8	94.2	94.4
IV 800		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 700		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 600		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 500		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 400		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 300		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 200		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 100		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6
IV 0		69.9	77.7	83.5	87.6	88.4	90.6	91.6	92.0	92.5	93.1	93.7	93.7	94.0	94.4	94.6

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

4 6

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000		32.6 28.4	33.3 39.3	35.8 41.8	36.0 41.9	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5	36.5 42.5
IV 18000 IV 16000		38.4 38.4	39.3 39.3	41.8 41.8	41.9 41.9	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5	42.5 42.5
IV 14000 IV 12000		38.6 38.8	39.3 39.7	41.8 42.1	41.9 42.2	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9	42.5 42.9
IV 10000 IV 9000		42.9 44.0	42.8 44.9	46.3 47.4	46.4 47.6	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1	47.0 48.1
IV 8000 IV 7000		48.5 52.6	49.4 53.9	51.9 56.4	52.6 57.1	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9	53.2 57.9
IV 6000 IV 5000		54.3 56.4	55.8 57.9	58.4 60.5	59.2 61.2	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0	59.9 62.0
IV 4500 IV 4000		57.1 60.2	58.6 61.8	61.2 64.4	62.0 65.2	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9	62.7 65.9
IV 3500 IV 3000		64.4 68.0	66.5 70.6	68.1 73.6	70.0 74.7	71.0 75.8	71.0 75.8	71.2 76.0	71.2 76.0	71.2 76.0	71.2 76.0	71.2 76.0	71.2 76.0	71.2 76.0	71.2 76.0	71.2 76.0
IV 2500 IV 2000		71.3 73.6	74.2 77.5	77.3 80.7	78.7 82.0	79.8 83.1	79.8 83.1	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3	80.0 83.3
IV 1800 IV 1500		74.9 76.8	79.0 82.2	82.4 86.1	83.7 87.5	84.8 88.8	84.8 88.8	85.0 89.1	85.0 89.1	85.0 89.1	85.0 89.1	85.0 89.1	85.0 89.1	85.0 89.1	85.0 89.1	85.0 89.1
IV 1200 IV 1000		77.2 77.3	83.0 83.3	87.5 88.0	89.1 89.9	90.8 91.6	91.2 92.3	91.8 92.9	91.8 92.9	91.8 92.9	91.8 92.9	91.8 92.9	91.8 92.9	91.8 92.9	91.8 92.9	91.8 92.9
IV 900 IV 800		77.7 77.7	83.7 83.9	88.4 89.0	90.4 91.0	92.1 92.7	93.1 93.8	93.6 94.6	93.6 94.6	93.6 94.6	93.6 94.6	93.6 94.6	93.6 94.6	93.6 94.6	93.6 94.6	93.6 94.6
IV 700 IV 600		77.9 77.9	84.1 84.1	89.1 89.3	91.4 91.6	93.1 93.4	94.8 95.7	95.5 97.2	95.7 97.8	95.7 97.8	95.7 97.8	95.7 97.8	95.7 97.8	95.7 97.8	95.7 97.8	95.7 97.8
IV 500 IV 400		77.9 77.9	84.1 84.1	89.1 89.5	91.4 91.9	93.1 93.8	94.8 96.3	95.5 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3
IV 300 IV 200		77.9 77.9	84.1 84.1	89.1 89.5	91.4 91.9	93.1 93.8	94.8 96.3	95.5 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3
IV 100 IV 0		77.9 77.9	84.1 84.1	89.1 89.5	91.4 91.9	93.1 93.8	94.8 96.3	95.5 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3	95.7 98.3

TOTAL NUMBER OF OBSERVATIONS 534

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 7/16	≥ 1/2	≥ 0
NO CEILING		34.2	34.7	36.5	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
IV 20000		38.8	40.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 18000		38.8	40.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 16000		38.8	40.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 14000		38.8	40.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 12000		38.8	40.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 10000		41.3	42.7	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 9000		42.5	42.8	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 8000		47.3	48.8	50.6	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 7000		50.2	52.3	54.1	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 6000		52.5	54.8	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 5000		55.6	57.9	59.7	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 4500		56.9	59.3	61.0	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4000		60.0	62.5	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 3500		65.6	68.3	70.3	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3000		69.1	72.0	74.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 2500		73.2	76.4	79.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 2000		76.3	79.7	84.0	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 1800		77.4	81.7	85.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500		78.2	82.8	87.5	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 1200		79.3	83.3	90.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 1000		80.3	86.3	92.1	94.2	95.0	95.2	95.6	95.6	95.9	95.9	95.9	95.9	95.9	95.9
IV 900		80.5	86.7	92.5	94.8	95.6	95.8	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3
IV 800		80.7	87.1	93.2	95.6	96.5	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0		80.7	87.1	93.2	95.6	96.7	97.3	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 518

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAB TOLZ GERMANY AAF

65-70

Aug

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 1/2	≥ 1/4	≥ 0	≥ 0
NO CEILING		33.6	34.2	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000		42.2	43.2	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 18000		42.2	43.2	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 16000		42.2	43.2	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 14000		42.2	43.2	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 12000		42.8	43.8	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 10000		43.2	44.2	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
IV 9000		45.4	46.4	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
IV 8000		50.9	51.9	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 7000		53.4	54.4	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 6000		56.0	57.2	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 5000		59.3	60.9	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 4500		61.5	62.9	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 4000		65.8	67.2	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 3500		71.5	73.3	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000		77.6	80.0	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 2500		80.0	83.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 2000		82.9	86.8	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 1800		84.1	88.0	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 1500		84.9	89.4	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1200		86.4	91.0	94.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000		86.8	91.4	94.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 900		87.0	91.9	95.3	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 800		87.0	92.3	96.1	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 700		87.0	92.3	96.1	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600		87.0	92.3	96.1	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 500		87.0	92.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 400		87.0	92.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 300		87.0	92.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 200		87.0	92.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 100		87.0	92.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 0		87.0	92.3	96.3	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 491

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 8A3 TOLZ GERMANY AAF

63-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05
NO CEILING		32.8	33.3	34.4	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000		41.6	42.4	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
IV 18000		41.9	42.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 16000		41.9	42.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 14000		41.9	42.7	43.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 12000		42.4	43.2	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 10000		44.0	44.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 9000		46.1	46.9	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 8000		50.1	50.9	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 7000		52.9	53.6	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 6000		54.7	55.5	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 5000		59.2	60.0	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4500		62.9	64.0	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4000		67.2	69.1	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 3500		74.4	77.3	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3000		77.6	81.1	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500		80.5	84.3	86.9	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 2000		81.3	85.2	88.8	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 1800		82.1	86.1	89.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 1500		83.7	87.7	92.0	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200		84.0	88.0	92.3	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1000		84.3	88.3	92.6	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 900		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 700		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 600		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 500		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 400		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 300		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 200		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 100		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 0		84.5	88.5	92.8	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS 375

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TULZ GERMANY AAF
STATION NAME

67-69
YEARS

2 6
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS T. S. T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .8	≥ .7	≥ .5	≥ .6	≥ .4
NO CEILING		20.0	20.0	26.7	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000		26.7	26.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 18000		26.7	26.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 16000		26.7	26.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 14000		26.7	26.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 12000		26.7	26.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 10000		26.7	26.7	33.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
IV 9000		40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 8000		40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 7000		40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 6000		40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 5000		40.0	40.0	46.7	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 4500		46.7	46.7	53.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 4000		53.3	53.3	60.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
IV 3500		60.0	60.0	66.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 3000		66.7	66.7	73.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500		66.7	66.7	73.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2000		66.7	73.3	80.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1800		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0		73.3	80.0	86.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 15

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

66-67,69
YEARS

1000-0200
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 0.1	≥ 0.05	≥ 0.01	≥ 0
NO CEILING		35.5	35.5	35.5	45.2	45.2	45.2	48.4	48.4	51.6	51.6	51.6	51.6	54.8	54.8	58.1	58.1
≥ 20000		35.5	35.5	35.5	48.4	48.4	48.4	51.6	51.6	54.8	54.8	54.8	54.8	58.1	58.1	61.3	61.3
18000		35.5	35.5	38.7	48.4	48.4	48.4	51.6	51.6	54.8	54.8	54.8	54.8	58.1	58.1	61.3	61.3
16000		35.5	35.5	38.7	48.4	48.4	48.4	51.6	51.6	54.8	54.8	54.8	54.8	58.1	58.1	61.3	61.3
14000		35.5	35.5	38.7	48.4	48.4	48.4	51.6	51.6	54.8	54.8	54.8	54.8	58.1	58.1	61.3	61.3
12000		35.5	35.5	38.7	48.4	48.4	48.4	51.6	51.6	54.8	54.8	54.8	54.8	58.1	58.1	61.3	61.3
10000		35.5	38.7	41.9	51.6	51.6	51.6	54.8	54.8	58.1	58.1	58.1	58.1	61.3	61.3	64.5	64.5
9000		35.5	38.7	41.9	51.6	51.6	51.6	54.8	54.8	58.1	58.1	58.1	58.1	61.3	61.3	64.5	64.5
8000		35.5	38.7	41.9	51.6	51.6	51.6	54.8	54.8	58.1	58.1	58.1	58.1	61.3	61.3	64.5	64.5
7000		38.7	41.9	45.2	54.8	54.8	54.8	58.1	58.1	61.3	61.3	61.3	61.3	64.5	64.5	67.7	67.7
6000		45.2	48.4	51.6	61.3	61.3	61.3	64.5	64.5	67.7	67.7	67.7	67.7	71.0	71.0	74.2	74.2
5000		45.2	48.4	51.6	61.3	61.3	61.3	64.5	64.5	67.7	67.7	67.7	67.7	71.0	71.0	74.2	74.2
4500		45.2	48.4	51.6	61.3	61.3	61.3	64.5	64.5	67.7	67.7	67.7	67.7	71.0	71.0	74.2	74.2
4000		45.2	48.4	51.6	61.3	61.3	61.3	64.5	64.5	67.7	67.7	67.7	67.7	71.0	71.0	74.2	74.2
3500		45.2	48.4	51.6	61.3	61.3	61.3	64.5	64.5	67.7	67.7	67.7	67.7	71.0	71.0	74.2	74.2
3000		45.2	48.4	51.6	64.5	64.5	64.5	67.7	67.7	71.0	71.0	71.0	71.0	74.2	74.2	77.4	77.4
2500		45.2	51.6	58.1	71.0	71.0	71.0	74.2	74.2	77.4	77.4	77.4	77.4	80.6	80.6	83.9	83.9
2000		45.2	51.6	58.1	71.0	71.0	71.0	74.2	74.2	77.4	77.4	77.4	77.4	80.6	80.6	83.9	83.9
1800		45.2	51.6	58.1	71.0	71.0	71.0	74.2	74.2	77.4	77.4	77.4	77.4	80.6	80.6	83.9	83.9
1500		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
1200		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
1000		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
900		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
800		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
700		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
600		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
500		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
400		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
300		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
200		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
100		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3
0		48.4	54.8	64.5	77.4	77.4	77.4	80.6	80.6	83.9	83.9	83.9	83.9	87.1	87.1	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS 31

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

65-69

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

030-0500

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		25.4	27.5	30.5	30.9	30.9	33.1	34.7	35.2	36.9	39.4	40.3	42.8	47.0	48.3	49.2
≥ 20000		26.7	29.2	33.1	33.5	33.5	35.6	38.1	38.6	40.3	42.8	43.6	46.2	50.4	51.7	52.5
IV 18000		26.7	29.2	33.1	33.5	33.5	35.6	38.1	38.6	40.3	42.8	43.6	46.2	50.4	51.7	52.5
IV 16000		26.7	29.2	33.1	33.5	33.5	35.6	38.1	38.6	40.3	42.8	43.6	46.2	50.4	51.7	52.5
IV 14000		26.7	29.2	33.1	33.5	33.5	35.6	38.1	38.6	40.3	42.8	43.6	46.2	50.4	51.7	52.5
IV 12000		26.7	29.2	33.1	33.5	33.5	35.6	38.1	38.6	40.3	42.8	43.6	46.2	50.4	51.7	52.5
IV 10000		26.7	29.2	33.1	33.5	33.5	35.6	38.1	38.6	40.3	42.8	44.1	46.6	50.8	52.1	53.0
IV 9000		29.2	31.8	35.6	36.0	36.0	38.1	40.7	41.1	42.8	45.3	46.6	49.2	53.4	54.7	55.8
IV 8000		31.8	36.0	39.8	40.3	40.3	43.6	46.2	46.6	48.3	50.8	52.1	54.7	58.9	60.2	61.0
IV 7000		33.1	37.3	41.1	42.4	42.4	45.8	48.3	48.7	50.4	53.0	54.2	56.8	61.0	62.2	63.1
IV 6000		35.2	39.4	43.2	44.5	44.5	47.9	50.4	50.8	52.5	55.1	56.4	58.9	63.1	64.4	65.3
IV 5000		36.0	40.3	44.1	45.3	45.3	48.7	51.3	51.7	53.4	55.9	57.2	59.7	64.0	65.3	66.1
IV 4500		37.3	41.5	45.3	46.6	46.6	50.0	52.5	53.0	54.7	57.2	58.5	61.0	65.3	66.5	67.4
IV 4000		39.4	44.5	48.3	49.6	49.6	53.0	55.5	55.9	57.6	60.3	61.4	64.0	68.2	69.5	70.3
IV 3500		42.8	48.3	52.5	53.8	53.8	57.2	59.7	60.2	61.9	64.4	65.7	68.2	72.5	73.7	74.6
IV 3000		46.6	52.1	57.2	58.9	58.9	62.3	64.8	65.3	66.9	69.5	70.8	73.3	77.5	78.8	79.7
IV 2500		47.9	54.2	59.3	61.4	61.4	65.3	67.8	68.2	69.9	72.5	73.7	76.3	80.5	81.8	82.6
IV 2000		48.3	55.9	61.0	64.0	64.0	68.2	70.8	71.2	72.9	75.4	76.7	79.2	83.5	84.7	85.6
IV 1800		48.3	55.9	61.0	64.4	64.4	68.9	71.6	72.0	73.7	76.3	77.5	80.1	84.3	85.6	86.4
IV 1500		48.3	55.9	61.4	64.8	64.8	69.7	72.9	73.3	75.0	77.5	78.8	81.4	85.6	86.9	87.7
IV 1200		48.7	56.8	62.3	65.7	65.7	71.2	74.6	75.0	76.7	79.2	80.5	83.1	87.3	88.6	89.4
IV 1000		48.7	56.8	63.1	66.5	66.5	72.9	76.3	76.7	78.4	80.9	82.6	85.2	89.4	90.7	91.5
IV 900		48.7	56.8	63.1	66.5	66.5	73.0	76.4	76.8	80.3	83.5	84.7	87.3	91.5	92.8	93.6
IV 800		49.2	57.2	63.6	67.4	67.4	73.8	77.2	77.7	81.4	84.3	85.6	88.1	92.4	93.6	94.5
IV 700		49.2	57.2	63.6	67.4	67.4	74.2	77.6	80.1	82.2	85.2	86.4	89.0	93.2	94.5	95.3
IV 600		49.2	57.2	63.6	67.8	67.8	74.7	78.1	80.3	82.6	85.6	86.9	89.4	93.6	94.9	95.8
IV 500		49.2	57.2	63.6	67.8	67.8	75.1	78.5	80.3	82.9	85.6	86.9	89.4	93.6	94.9	95.8
IV 400		49.2	57.2	63.6	67.8	67.8	75.1	78.5	80.3	82.9	85.6	86.9	89.4	93.6	94.9	95.8
IV 300		49.2	57.2	63.6	67.8	67.8	75.1	78.5	80.3	82.9	85.6	86.9	89.4	93.6	94.9	95.8
IV 200		49.2	57.2	63.6	67.8	67.8	75.1	78.5	80.3	82.9	85.6	86.9	89.4	93.6	94.9	95.8
IV 100		49.2	57.2	63.6	67.8	67.8	75.1	78.5	80.3	82.9	85.6	86.9	89.4	93.6	94.9	95.8
IV 0		49.2	57.2	63.6	67.8	67.8	75.1	78.5	80.3	82.9	85.6	86.9	89.4	93.6	94.9	95.8

TOTAL NUMBER OF OBSERVATIONS 236

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

24197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2624-0650
TIME

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING		34.0	35.5	37.0	37.9	38.5	39.9	40.1	40.3	41.1	41.9	42.1	42.7	43.7	44.7	45.5
≥ 20000		37.7	39.3	40.7	41.7	42.1	43.7	44.1	44.3	45.5	46.2	46.4	47.0	48.4	49.4	50.4
IV 18000		37.7	39.3	40.7	41.7	42.1	43.7	44.1	44.3	45.5	46.2	46.4	47.0	48.4	49.4	50.4
IV 16000		37.7	39.3	40.7	41.7	42.1	43.7	44.1	44.3	45.5	46.2	46.4	47.0	48.4	49.4	50.4
IV 14000		37.7	39.3	40.7	41.7	42.1	43.7	44.1	44.3	45.5	46.2	46.4	47.0	48.4	49.4	50.4
IV 12000		38.5	40.1	41.5	42.5	42.9	44.5	44.9	45.1	46.2	47.0	47.2	47.8	49.2	50.2	51.2
IV 10000		39.7	41.5	42.9	43.9	44.5	45.8	46.2	46.4	47.6	48.4	48.6	49.2	50.6	51.6	52.8
IV 9000		40.3	42.1	43.5	44.5	44.9	46.8	47.0	47.2	48.4	49.0	49.2	49.8	51.2	52.2	53.4
IV 8000		43.1	45.7	47.2	48.8	49.8	50.8	51.2	51.4	52.6	53.6	54.0	54.5	55.9	56.9	58.1
IV 7000		45.1	48.2	50.0	52.0	52.4	54.2	54.5	54.7	55.9	56.9	57.3	57.9	59.3	60.3	61.5
IV 6000		46.6	50.0	51.8	53.8	54.2	55.9	56.5	56.5	57.7	58.7	59.1	59.7	61.1	62.1	63.2
IV 5000		49.8	53.2	54.9	56.9	57.3	59.1	59.5	59.7	60.9	61.9	62.3	62.8	64.2	65.2	66.4
IV 4500		51.0	54.5	56.1	58.1	58.5	60.3	60.7	60.9	62.1	63.0	63.4	64.0	65.4	66.4	67.6
IV 4000		52.8	56.7	58.5	60.5	60.9	62.6	63.0	63.2	64.4	65.4	65.8	66.4	67.8	68.8	70.0
IV 3500		55.5	60.1	61.9	64.0	64.4	66.2	66.8	67.5	68.2	69.2	69.6	70.2	71.5	72.5	73.7
IV 3000		59.7	64.4	66.4	68.4	69.8	71.7	72.1	72.3	73.9	74.8	75.5	76.1	77.5	78.5	79.0
IV 2500		65.1	66.8	69.0	71.9	72.3	74.7	75.1	75.3	76.9	77.9	78.5	79.1	80.4	81.4	82.8
IV 2000		63.4	68.2	71.7	75.5	75.9	78.5	78.9	79.1	80.6	81.6	82.2	82.8	84.2	85.2	86.6
IV 1800		63.4	68.2	71.7	75.5	75.9	78.5	78.9	79.1	80.6	81.6	82.2	82.8	84.2	85.2	86.6
IV 1600		64.5	69.6	74.3	78.9	79.2	82.0	82.6	83.2	84.6	85.6	86.2	86.8	88.1	89.1	90.5
IV 1400		65.1	70.2	74.8	79.8	80.2	83.0	83.6	84.2	85.6	86.8	87.4	88.1	89.5	90.5	91.9
IV 1200		65.4	70.8	75.7	80.6	81.0	84.0	84.8	85.6	87.2	88.2	88.9	89.7	91.1	92.1	93.5
IV 1000		65.4	70.8	75.7	80.6	81.0	84.0	84.8	85.6	87.2	88.2	88.9	89.7	91.1	92.1	93.5
IV 900		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 800		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 700		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 600		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 500		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 400		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 300		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 200		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 100		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7
IV 0		65.6	71.1	76.3	81.2	81.6	84.6	85.8	86.6	88.1	89.5	90.1	90.9	92.3	93.3	94.7

TOTAL NUMBER OF OBSERVATIONS 506

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

64-75

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 0
NO CEILING		41.3	42.4	44.5	45.6	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.2	47.3
≥ 20000		47.2	48.7	51.1	52.3	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	54.0
W 18000		47.2	48.7	51.1	52.3	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	54.0
W 16000		47.2	48.7	51.1	52.3	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	54.0
W 14000		47.2	48.7	51.1	52.3	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	54.0
W 12000		47.2	48.7	51.1	52.3	53.2	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.8	54.0
W 10000		48.9	50.4	52.8	54.0	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.7
W 9000		49.4	50.9	53.4	54.5	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.1	56.3
W 8000		52.5	54.7	57.4	58.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.4
W 7000		54.9	57.2	59.8	61.2	62.1	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.7	62.9
W 6000		56.8	59.3	62.3	64.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.5	65.7
W 5000		58.3	60.8	63.8	65.5	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.2
W 4500		60.0	62.9	65.9	67.6	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.1	69.3
W 4000		62.9	66.3	69.3	71.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.9
W 3500		66.3	69.9	73.1	75.2	76.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.9
W 3000		69.7	73.9	77.3	79.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.6	81.8
W 2500		71.8	76.1	79.5	82.2	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.9
W 2000		72.9	77.3	81.3	84.1	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.2	85.4
W 1800		73.3	77.7	81.7	84.7	85.6	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2	86.4
W 1600		74.4	78.8	82.7	85.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.3	87.5
W 1400		74.8	79.2	83.1	86.1	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 1200		74.8	79.2	83.1	86.1	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 1000		74.8	79.2	83.1	86.1	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 900		74.8	79.2	83.1	86.1	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 800		74.8	79.2	83.1	86.1	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 700		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 600		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 500		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 400		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 300		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 200		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 100		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8
W 0		75.0	79.3	83.0	86.0	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.8

TOTAL NUMBER OF OBSERVATIONS 528

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34107 BAD TOLZ GERMANY AAF

64066-70

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0	≥ 0
NO CEILING		37.4	38.9	41.9	42.9	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000		45.5	47.0	50.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000		45.5	47.0	50.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 16000		45.5	47.0	50.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 14000		45.5	47.0	50.0	51.1	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
IV 12000		46.4	47.9	50.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
IV 10000		50.4	51.9	54.9	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 9000		51.7	53.2	56.2	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 8000		54.7	56.2	59.2	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 7000		57.9	59.4	62.4	63.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 6000		59.6	61.1	64.1	65.6	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 5000		62.4	63.9	66.9	68.4	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4500		64.3	65.8	68.8	70.7	70.7	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 4000		67.1	68.6	72.0	73.5	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 3500		70.5	72.2	75.9	77.4	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3000		73.0	74.6	78.7	80.2	80.2	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
IV 2500		79.3	82.9	87.5	89.1	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 2000		80.3	84.2	89.1	91.7	91.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1800		80.6	84.4	89.5	92.1	92.1	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1500		80.6	84.8	90.8	93.8	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 800		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 700		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 600		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 400		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 300		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 200		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 100		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 0		81.0	85.3	91.7	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6

TOTAL NUMBER OF OBSERVATIONS 468

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAO TOLZ GERMANY AAF

66-73

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
NO CEILING ≥ 20000		38.1	40.7	42.3	44.1	44.6	44.6	45.1	45.1	45.6	45.6	45.6	45.6	45.6	45.6	46.1
IV 18000		43.6	46.6	48.5	50.3	50.8	50.8	51.3	51.3	51.8	51.8	51.8	51.8	51.8	51.8	52.3
IV 16000		43.6	46.6	48.5	50.3	50.8	50.8	51.3	51.3	51.8	51.8	51.8	51.8	51.8	51.8	52.3
IV 14000		43.6	46.6	48.5	50.3	50.8	50.8	51.3	51.3	51.8	51.8	51.8	51.8	51.8	51.8	52.3
IV 12000		44.3	47.4	49.2	51.0	51.5	51.5	52.1	52.1	52.6	52.6	52.6	52.6	52.6	52.6	53.1
IV 10000		47.7	50.8	52.6	54.4	54.9	54.9	55.4	55.4	55.9	55.9	55.9	55.9	55.9	55.9	56.4
IV 9000		48.7	52.1	53.9	55.7	56.2	56.2	56.7	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.7
IV 8000		50.3	52.6	54.4	56.2	56.7	56.7	57.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	58.2
IV 7000		53.4	57.2	59.0	60.8	61.3	61.3	61.9	61.9	62.4	62.4	62.4	62.4	62.4	62.4	62.9
IV 6000		54.6	58.5	60.3	62.1	62.6	62.6	63.1	63.1	63.7	63.7	63.7	63.7	63.7	63.7	64.2
IV 5000		56.4	61.3	63.1	64.9	65.5	65.5	66.0	66.0	66.5	66.5	66.5	66.5	66.5	66.5	67.0
IV 4500		59.5	64.2	66.2	68.0	68.6	68.6	69.1	69.1	69.6	69.6	69.6	69.6	69.6	69.6	70.1
IV 4000		61.6	67.0	69.1	70.9	71.4	71.4	71.9	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.9
IV 3500		65.7	71.6	74.5	76.3	76.8	76.8	77.3	77.3	77.8	77.8	77.8	77.8	77.8	77.8	78.3
IV 3000		70.1	76.8	80.2	82.0	82.5	82.5	83.0	83.0	83.5	83.5	83.5	83.5	83.5	83.5	84.0
IV 2500		73.2	79.9	83.2	85.6	86.1	86.1	86.6	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.6
IV 2000		73.5	80.2	83.8	86.9	87.4	87.4	87.9	87.9	88.4	88.4	88.4	88.4	88.4	88.4	88.9
IV 1800		74.0	80.7	84.3	87.4	87.9	87.9	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	89.4
IV 1500		74.2	80.9	85.3	88.7	89.2	89.2	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.7
IV 1200		74.2	81.7	86.3	90.2	90.7	90.7	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	92.2
IV 1000		74.2	81.7	86.3	90.2	90.7	90.7	91.2	91.2	91.7	91.7	91.7	91.7	91.7	91.7	92.2
IV 900		74.2	81.7	86.3	90.7	91.2	91.2	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.7
IV 800		74.2	81.7	86.3	90.7	91.2	91.2	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.7
IV 700		74.2	81.7	86.3	90.7	91.2	91.2	91.7	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.7
IV 600		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0
IV 500		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0
IV 400		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0
IV 300		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0
IV 200		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0
IV 100		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0
IV 0		74.2	81.7	86.3	91.0	91.5	91.5	92.0	92.0	92.5	92.5	92.5	92.5	92.5	92.5	93.0

TOTAL NUMBER OF OBSERVATIONS 388

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAF TOLZ GERMANY AAF
STATION NAME

66-67-69
YEARS

356
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		30.2	33.3	37.9	51.5	39.0	54.5	57.6	57.6	59.1	59.1	59.1	59.1	59.1	59.1	60.6
≥ 20000		31.8	37.9	43.9	57.6	59.1	60.6	63.6	63.6	65.2	65.2	65.2	65.2	65.2	65.2	66.7
≥ 18000		31.8	37.9	43.9	57.6	59.1	60.6	63.6	63.6	65.2	65.2	65.2	65.2	65.2	65.2	66.7
≥ 16000		31.8	37.9	43.9	57.6	59.1	60.6	63.6	63.6	65.2	65.2	65.2	65.2	65.2	65.2	66.7
≥ 14000		31.8	37.9	43.9	57.6	59.1	60.6	63.6	63.6	65.2	65.2	65.2	65.2	65.2	65.2	66.7
≥ 12000		31.8	37.9	43.9	57.6	59.1	60.6	63.6	63.6	65.2	65.2	65.2	65.2	65.2	65.2	66.7
≥ 10000		31.8	39.4	45.5	59.1	60.6	62.1	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	68.2
≥ 9000		31.8	39.4	45.5	59.1	60.6	62.1	65.2	65.2	66.7	66.7	66.7	66.7	66.7	66.7	68.2
≥ 8000		33.3	40.9	47.0	60.6	62.1	63.6	66.7	66.7	68.2	68.2	68.2	68.2	68.2	68.2	69.7
≥ 7000		37.9	47.0	53.0	66.7	68.2	69.7	72.7	72.7	74.2	74.2	74.2	74.2	74.2	74.2	75.8
≥ 6000		37.9	47.0	53.0	66.7	68.2	69.7	72.7	72.7	74.2	74.2	74.2	74.2	74.2	74.2	75.8
≥ 5000		37.9	47.0	53.0	66.7	68.2	69.7	72.7	72.7	74.2	74.2	74.2	74.2	74.2	74.2	75.8
≥ 4500		37.9	47.0	53.0	66.7	68.2	69.7	72.7	72.7	74.2	74.2	74.2	74.2	74.2	74.2	75.8
≥ 4000		37.9	47.0	53.0	66.7	68.2	69.7	72.7	72.7	74.2	74.2	74.2	74.2	74.2	74.2	75.8
≥ 3500		37.9	47.0	53.0	66.7	68.2	69.7	72.7	72.7	74.2	74.2	74.2	74.2	74.2	74.2	75.8
≥ 3000		40.9	50.0	57.6	72.7	74.2	75.8	78.8	78.8	80.3	80.3	80.3	80.3	80.3	80.3	81.8
≥ 2500		42.4	53.0	63.6	80.3	81.8	83.3	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	89.4
≥ 2000		42.4	53.0	63.6	80.3	81.8	83.3	86.4	86.4	87.9	87.9	87.9	87.9	87.9	87.9	89.4
≥ 1800		43.9	54.5	65.2	81.8	83.3	84.8	87.9	87.9	89.4	89.4	89.4	89.4	89.4	89.4	90.9
≥ 1500		48.5	59.1	69.7	86.4	87.9	89.4	92.4	92.4	93.9	93.9	93.9	93.9	93.9	93.9	95.5
≥ 1200		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 1000		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 900		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 800		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 700		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 600		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 500		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 400		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 300		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 200		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 100		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥ 0		48.5	59.1	69.7	86.4	87.9	90.9	97.0	97.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 66

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34197 8AD TOLZ GERMANY AAF

67

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING (FEET)	VISIBILITY: STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 0
NO CEILING	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 20000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 18000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 16000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 14000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 12000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 10000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 9000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 8000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 7000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 6000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 5000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 900	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 700	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 600	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 400	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 300	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 100	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

TOTAL NUMBER OF OBSERVATIONS 2

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

63-69
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS UTC

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 3/4	≥ 3/8	≥ 1/4	≥ 0
NO CEILING		42.4	46.2	48.7	49.2	49.2	49.6	51.3	51.3	52.1	52.1	52.5	53.4	56.3	57.1	58.4
≥ 20000		43.7	47.5	50.0	50.4	50.4	50.8	52.5	52.5	53.4	53.4	53.8	54.6	57.6	58.8	60.1
IVV 18000		43.7	47.5	50.0	50.4	50.4	50.8	52.5	52.5	53.4	53.4	53.8	54.6	57.6	58.8	60.1
IVV 16000		43.7	47.5	50.0	50.4	50.4	50.8	52.5	52.5	53.4	53.4	53.8	54.6	57.6	58.8	60.1
IVV 14000		43.7	47.5	50.0	50.4	50.4	50.8	52.5	52.5	53.4	53.4	53.8	54.6	57.6	58.8	60.1
IVV 12000		45.0	48.7	51.3	51.7	51.7	52.1	53.8	53.8	54.6	54.6	55.0	55.9	58.8	60.1	61.3
IVV 10000		46.6	50.4	52.9	53.4	53.4	53.8	55.5	55.5	56.3	56.3	56.7	57.6	60.5	61.8	63.0
IVV 9000		47.1	50.8	53.4	53.8	53.8	54.2	55.9	55.9	56.7	56.7	57.1	58.0	60.9	62.2	63.4
IVV 8000		48.7	52.5	55.0	55.5	55.5	55.9	57.6	57.6	58.4	58.4	58.8	59.7	62.6	63.9	65.1
IVV 7000		50.0	53.8	56.3	56.7	56.7	57.1	58.8	58.8	59.7	59.7	60.1	60.9	63.9	65.1	66.4
IVV 6000		50.8	54.6	57.1	57.6	57.6	58.0	59.7	59.7	60.5	60.5	60.9	61.8	64.7	66.0	67.2
IVV 5000		53.8	58.0	60.5	60.9	60.9	61.3	63.0	63.0	63.9	63.9	64.3	65.1	68.1	69.3	70.6
IVV 4500		55.9	60.5	63.0	63.4	63.4	63.9	65.5	65.5	66.4	66.4	66.8	67.6	70.6	71.8	73.1
IVV 4000		57.1	61.8	64.3	64.7	64.7	65.1	66.8	66.8	67.6	67.6	68.1	68.9	71.8	73.1	74.4
IVV 3500		59.7	64.3	67.2	67.6	67.6	68.1	69.7	69.7	70.6	70.6	71.0	71.8	74.8	76.1	77.3
IVV 3000		61.8	66.8	69.7	70.2	70.2	70.6	72.3	72.3	73.1	73.1	73.5	74.4	77.3	78.6	79.8
IVV 2500		62.6	68.5	71.8	72.3	72.3	72.7	74.4	74.4	75.2	75.2	75.6	76.1	79.1	81.1	82.4
IVV 2000		64.3	70.2	73.9	74.4	74.4	74.8	76.5	76.5	77.3	77.3	77.7	78.6	81.6	83.6	84.9
IVV 1800		65.1	71.0	74.8	75.2	75.2	75.6	77.3	77.3	78.2	78.2	78.6	79.4	82.4	84.5	86.1
IVV 1500		66.0	71.8	75.6	76.1	76.1	76.5	78.2	78.2	79.1	79.1	79.5	80.3	83.3	85.4	87.8
IVV 1200		66.8	72.7	76.5	77.0	77.0	77.4	79.1	79.1	80.0	80.0	80.4	81.2	84.2	86.3	88.7
IVV 1000		68.0	73.9	77.7	78.2	78.2	78.6	80.3	80.3	81.2	81.2	81.6	82.4	85.4	87.5	89.9
IVV 900		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 800		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 700		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 600		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 500		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 400		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 300		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 200		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 100		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8
IVV 0		68.8	74.8	78.6	79.1	79.1	79.5	81.2	81.2	82.1	82.1	82.5	83.3	86.3	88.4	90.8

TOTAL NUMBER OF OBSERVATIONS 238

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAP TOLZ GERMANY AAF

64-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		36.8	38.1	39.5	40.4	40.4	41.0	41.5	41.9	42.6	43.5	43.7	44.4	45.7	45.8	47.1
≥ 20000		39.5	40.8	42.6	43.5	43.5	44.0	44.6	44.9	45.7	46.6	46.8	47.7	48.9	49.1	50.4
IV 18000		39.5	40.8	42.6	43.5	43.5	44.0	44.6	44.9	45.7	46.6	46.8	47.7	48.9	49.1	50.4
IV 16000		39.5	40.8	42.6	43.5	43.5	44.0	44.6	44.9	45.7	46.6	46.8	47.7	48.9	49.1	50.4
IV 14000		39.7	41.0	42.8	43.7	43.7	44.2	44.8	45.1	45.8	46.8	46.9	47.8	49.1	49.3	50.5
IV 12000		40.3	41.5	43.3	44.2	44.2	44.8	45.3	45.7	46.4	47.3	47.5	48.4	49.6	49.8	51.1
IV 10000		42.2	43.5	45.3	46.2	46.2	46.8	47.3	47.7	48.4	49.3	49.5	50.4	51.6	51.8	53.1
IV 9000		43.3	44.6	46.4	47.3	47.3	47.8	48.4	48.7	49.6	50.5	50.7	51.6	52.9	53.1	54.3
IV 8000		44.8	46.2	48.0	48.9	48.9	49.5	50.0	50.4	51.3	52.2	52.3	53.2	54.5	54.7	56.0
IV 7000		46.2	47.7	49.5	50.4	50.4	50.9	51.4	51.8	52.7	53.6	54.0	54.9	56.3	56.5	57.8
IV 6000		46.6	48.0	49.8	50.7	50.7	51.2	51.8	52.2	53.1	54.0	54.3	55.2	56.7	56.9	58.1
IV 5000		50.7	52.3	54.2	55.2	55.2	55.8	56.3	56.7	57.6	58.5	58.8	59.7	61.2	61.4	62.6
IV 4500		52.7	54.3	56.1	57.2	57.2	57.8	58.3	58.7	59.6	60.5	60.8	61.7	63.2	63.4	64.6
IV 4000		54.3	56.1	57.9	59.0	59.0	59.6	60.1	60.5	61.6	62.5	62.8	63.7	65.2	65.3	66.8
IV 3500		55.2	57.0	58.8	59.9	59.9	60.6	61.2	61.6	62.6	63.5	63.9	64.8	66.2	66.4	67.9
IV 3000		58.3	60.6	63.0	64.1	64.3	65.0	65.5	65.9	67.0	67.9	68.2	69.1	70.6	70.8	72.2
IV 2500		60.8	63.2	65.7	67.0	67.1	67.9	68.4	68.8	69.9	70.8	71.1	72.0	73.5	73.6	75.1
IV 2000		61.4	63.7	67.0	68.2	68.4	69.1	69.9	70.2	71.3	72.2	72.6	73.5	74.9	75.1	76.5
IV 1800		61.9	64.6	68.2	69.7	69.9	70.6	71.5	71.8	72.9	73.8	74.2	75.1	76.5	76.7	78.2
IV 1500		63.2	66.2	70.4	72.0	72.4	73.3	74.2	74.5	75.6	76.5	76.9	77.8	79.2	79.4	80.9
IV 1200		64.1	67.1	71.5	73.3	73.6	74.7	75.6	76.2	77.4	78.3	78.7	79.6	81.0	81.2	82.7
IV 1000		64.4	67.7	72.4	74.7	75.6	76.7	77.8	79.1	80.3	81.2	81.6	82.5	83.9	84.1	85.6
IV 900		64.6	67.9	72.6	74.9	75.8	76.9	77.9	79.2	80.7	81.6	81.9	82.9	84.3	84.5	85.9
IV 800		64.6	67.9	72.6	74.9	76.0	77.1	78.7	79.8	81.4	82.3	82.7	83.6	85.0	85.2	86.6
IV 700		64.6	67.9	73.5	76.2	77.3	78.3	80.9	82.5	84.3	85.4	85.7	86.6	88.1	88.3	89.7
IV 600		64.6	67.9	73.5	76.2	77.4	79.1	81.8	83.4	86.1	87.2	87.5	88.4	89.9	90.1	91.5
IV 500		64.6	67.9	73.6	76.4	77.6	79.4	82.3	83.9	87.7	89.5	90.3	91.3	92.1	92.2	93.7
IV 400		64.6	67.9	73.6	76.4	77.6	79.4	82.3	83.9	87.7	89.5	90.3	91.3	92.1	92.2	93.7
IV 300		64.6	67.9	73.6	76.4	77.6	79.4	82.3	83.9	87.7	89.5	90.3	91.3	92.1	92.2	93.7
IV 200		64.6	67.9	73.6	76.4	77.6	79.4	82.3	83.9	87.7	89.5	90.3	91.3	92.1	92.2	93.7
IV 100		64.6	67.9	73.6	76.4	77.6	79.4	82.3	83.9	87.7	89.5	90.3	91.3	92.1	92.2	93.7
IV 0		64.6	67.9	73.6	76.4	77.6	79.4	82.3	83.9	87.7	89.5	90.3	91.3	92.1	92.2	93.7

TOTAL NUMBER OF OBSERVATIONS 554

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197

BAD TOLZ GERNANY AAF

64-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING		42.7	43.9	45.6	46.1	47.1	47.1	47.1	47.1	47.4	47.9	48.1	48.4	48.4	48.4	48.6
≥ 20000		47.9	49.1	50.8	51.3	52.3	52.4	52.4	52.4	52.8	53.3	53.4	53.8	53.8	53.8	53.9
IV 18000		47.9	49.1	50.8	51.3	52.3	52.4	52.4	52.4	52.8	53.3	53.4	53.8	53.8	53.8	53.9
IV 16000		47.9	49.1	50.8	51.3	52.3	52.4	52.4	52.4	52.8	53.3	53.4	53.8	53.8	53.8	53.9
IV 14000		48.1	49.2	50.9	51.4	52.4	52.6	52.6	52.6	52.9	53.4	53.6	53.9	53.9	53.9	54.1
IV 12000		48.2	49.4	51.1	51.6	52.6	52.8	52.8	52.8	53.1	53.6	53.8	54.1	54.1	54.1	54.3
IV 10000		49.9	51.1	52.8	53.3	54.3	54.4	54.4	54.4	54.8	55.3	55.4	55.8	55.8	55.8	55.9
IV 9000		50.8	51.9	53.6	54.1	55.1	55.3	55.3	55.3	55.6	56.1	56.3	56.6	56.6	56.6	56.8
IV 8000		52.9	54.3	55.9	56.4	57.5	57.6	57.6	57.6	58.0	58.5	58.6	59.0	59.0	59.0	59.1
IV 7000		55.4	56.8	58.5	59.0	60.0	60.1	60.1	60.1	60.5	61.0	61.1	61.5	61.5	61.5	61.6
IV 6000		56.4	57.8	59.5	60.0	61.0	61.1	61.1	61.1	61.5	62.0	62.1	62.5	62.5	62.5	62.8
IV 5000		59.5	60.8	63.0	63.8	64.8	65.0	65.0	65.0	65.2	65.8	66.0	66.3	66.3	66.3	66.5
IV 4500		60.5	61.8	64.0	64.8	65.8	66.0	66.0	66.0	66.3	66.8	67.0	67.3	67.3	67.3	67.5
IV 4000		62.5	64.0	66.2	67.2	68.2	68.3	68.3	68.3	68.7	69.2	69.3	69.7	69.7	69.7	69.8
IV 3500		63.7	65.2	67.3	68.3	69.3	69.5	69.5	69.5	69.8	70.4	70.5	70.9	70.9	70.9	71.0
IV 3000		65.3	67.0	69.3	70.7	71.9	72.2	72.2	72.2	72.5	73.0	73.2	73.5	73.5	73.5	73.7
IV 2500		67.7	69.3	72.2	73.4	74.5	74.9	74.9	74.9	75.2	75.7	75.8	76.2	76.2	76.2	76.4
IV 2000		68.3	70.3	73.5	74.7	75.9	76.2	76.2	76.2	76.5	77.1	77.2	77.6	77.6	77.6	77.7
IV 1800		68.7	70.7	74.2	75.4	76.5	76.9	76.9	76.9	77.2	77.7	77.9	78.2	78.2	78.2	78.4
IV 1500		69.7	72.0	75.3	76.7	78.1	78.4	78.4	78.4	78.7	79.2	79.4	79.7	79.7	79.7	79.9
IV 1200		70.7	73.7	77.2	78.6	79.9	80.4	81.1	81.1	81.4	81.9	82.1	82.4	82.4	82.4	82.6
IV 1000		71.0	74.0	78.4	79.9	81.7	82.9	84.4	84.4	84.9	85.4	85.6	85.9	85.9	85.9	86.1
IV 900		71.0	74.4	79.1	80.9	82.9	84.1	85.6	85.6	86.3	86.8	86.9	87.3	87.3	87.3	87.4
IV 800		71.0	74.4	79.1	80.9	83.1	84.4	86.2	86.2	87.3	87.8	87.9	88.3	88.3	88.3	88.4
IV 700		71.0	74.4	79.1	80.9	83.2	84.6	87.3	87.3	88.1	88.8	88.9	89.3	89.3	89.3	89.5
IV 600		71.0	74.4	79.1	80.9	83.9	85.2	89.1	89.1	90.0	90.6	90.9	91.3	91.3	91.3	91.5
IV 500		71.0	74.4	79.1	81.9	84.3	85.8	90.1	90.1	91.0	91.6	92.0	92.6	92.6	92.6	92.8
IV 400		71.0	74.4	79.1	81.9	84.3	85.8	90.3	90.3	91.2	91.8	92.2	92.8	92.8	92.8	93.0
IV 300		71.0	74.4	79.1	81.9	84.3	85.8	90.3	90.3	91.2	91.8	92.2	92.8	92.8	92.8	93.0
IV 200		71.0	74.4	79.1	81.9	84.3	85.8	90.3	90.3	91.2	91.8	92.2	92.8	92.8	92.8	93.0
IV 100		71.0	74.4	79.1	81.9	84.3	85.8	90.3	90.3	91.2	91.8	92.2	92.8	92.8	92.8	93.0
IV 0		71.0	74.4	79.1	81.9	84.3	85.8	90.3	90.3	91.2	91.8	92.2	92.8	92.8	92.8	93.0

TOTAL NUMBER OF OBSERVATIONS

597

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAF TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS UTC

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		49.7	50.9	52.5	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000		53.8	55.0	56.9	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 18000		53.8	55.0	56.9	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 16000		53.8	55.0	56.9	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 14000		53.8	55.0	56.9	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 12000		54.2	55.4	57.2	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 10000		56.0	57.2	59.1	59.6	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 9000		56.4	57.6	59.5	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 8000		58.1	59.3	61.2	61.7	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 7000		59.6	60.8	62.7	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 6000		60.1	61.3	63.2	63.7	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000		62.9	64.2	66.6	67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
IV 4500		63.7	65.1	67.5	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 4000		66.6	68.0	70.4	71.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 3500		68.3	69.7	72.1	72.7	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 3000		69.7	71.2	74.1	74.8	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 2500		72.4	74.4	77.3	78.2	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 2000		75.0	76.5	79.4	80.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1800		75.8	78.2	81.1	82.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 1500		77.5	80.2	83.3	84.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 1200		77.7	80.6	84.0	85.7	87.4	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1000		78.0	80.9	84.8	87.1	89.3	89.8	90.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900		78.0	80.9	85.8	87.2	89.4	90.3	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800		78.0	80.9	84.8	87.4	89.9	90.8	92.2	92.7	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700		78.0	80.9	84.8	87.6	90.1	91.3	93.5	94.3	95.1	95.2	95.2	95.2	95.2	95.2	95.2
IV 600		78.0	80.9	84.8	87.6	90.1	91.3	94.0	95.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4
IV 500		78.0	80.9	84.8	87.6	90.1	91.3	94.7	96.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8
IV 400		78.0	80.9	84.8	87.6	90.1	91.3	94.7	96.8	99.3	99.7	99.8	100.0	100.0	100.0	100.0
IV 300		78.0	80.9	84.8	87.6	90.1	91.3	94.7	96.8	99.3	99.7	99.8	100.0	100.0	100.0	100.0
IV 200		78.0	80.9	84.8	87.6	90.1	91.3	94.7	96.8	99.3	99.7	99.8	100.0	100.0	100.0	100.0
IV 100		78.0	80.9	84.8	87.6	90.1	91.3	94.7	96.8	99.3	99.7	99.8	100.0	100.0	100.0	100.0
IV 0		78.0	80.9	84.8	87.6	90.1	91.3	94.7	96.8	99.3	99.7	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

587

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

64-70

CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

1300-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 4/10	≥ 0
NO CEILING		45.3	46.6	48.3	48.7	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000		50.4	51.9	53.8	54.1	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 18000		50.6	52.2	54.1	54.5	54.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 16000		50.8	52.2	54.1	54.5	54.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 14000		50.8	52.2	54.1	54.5	54.9	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 12000		51.5	52.9	54.9	55.2	55.6	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 10000		53.1	54.5	56.4	56.8	57.1	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 8000		54.7	56.1	58.0	58.4	58.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 7000		58.0	59.4	61.4	61.7	62.1	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 6000		60.3	61.7	63.7	64.0	64.4	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 5000		61.0	62.4	64.4	64.7	65.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500		62.8	64.2	66.1	66.7	67.2	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000		64.6	66.0	67.9	68.4	69.0	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 3500		67.4	68.8	70.7	71.3	71.8	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000		69.0	70.5	72.5	73.0	73.5	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2500		72.8	74.4	76.7	77.4	78.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 2000		75.2	78.3	80.1	81.5	82.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1800		77.4	79.5	82.0	82.9	83.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1500		78.7	81.0	83.6	84.7	85.5	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1200		80.1	82.5	85.2	86.4	87.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1000		80.1	82.7	85.4	86.8	88.0	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 900		80.1	82.9	85.7	87.5	89.6	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 800		80.1	82.9	85.9	88.0	90.1	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 700		80.1	82.9	85.9	88.0	90.3	93.1	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 600		80.1	82.9	85.9	88.0	90.3	93.1	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 500		80.2	83.1	86.1	88.2	90.5	93.3	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 400		80.2	83.1	86.1	88.2	90.5	93.3	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 300		80.2	83.1	86.1	88.2	90.5	93.3	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 200		80.2	83.1	86.1	88.2	90.5	93.3	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 100		80.2	83.1	86.1	88.2	90.5	93.3	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 0		80.2	83.1	86.1	88.2	90.5	93.3	95.2	95.9	95.9	95.9	95.9	95.9	95.9	95.9

TOTAL NUMBER OF OBSERVATIONS 567

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

CT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1400-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILE															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 0
NO CEILING ≥ 20000	53.8	55.6	57.4	57.7	57.9	58.7	59.7	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.8
IV 18000	55.1	56.9	59.0	59.5	59.7	60.8	61.8	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.9
IV 16000	55.3	57.7	59.7	60.3	60.5	61.5	62.6	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6
IV 14000	55.8	57.7	59.7	60.3	60.5	61.6	62.6	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6
IV 12000	56.1	57.9	60.0	60.5	60.8	61.8	62.9	63.1	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
IV 10000	56.4	58.2	60.5	61.0	61.3	62.3	63.4	63.6	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.4
IV 9000	57.4	59.2	61.0	62.1	62.3	63.4	64.4	64.7	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.5
IV 8000	59.0	60.8	63.1	63.6	63.9	64.9	66.0	66.2	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.0
IV 7000	61.6	63.4	65.7	66.2	66.5	67.5	68.6	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.6
IV 6000	63.6	65.5	67.8	68.3	68.6	69.6	70.6	70.9	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.7
IV 5000	63.6	65.7	68.1	68.6	68.8	69.9	70.9	71.2	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.9
IV 4500	64.4	66.5	68.8	69.4	69.6	70.6	71.7	71.9	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7
IV 4000	67.0	69.1	71.4	71.9	72.2	73.2	74.3	74.5	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.3
IV 3500	69.1	71.2	73.5	74.0	74.3	75.3	76.4	76.6	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.4
IV 3000	72.2	74.5	76.9	77.4	77.7	79.0	80.0	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.0
IV 2500	74.0	76.6	79.0	79.7	80.0	81.2	82.3	82.6	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.4
IV 2000	76.4	79.2	81.8	82.6	82.9	84.2	85.2	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.2
IV 1800	78.4	81.8	84.4	85.2	85.5	87.0	88.1	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.1
IV 1500	79.2	82.6	85.5	86.5	86.8	88.3	89.4	89.6	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.4
IV 1200	80.3	83.6	86.5	87.5	88.1	89.6	90.9	91.2	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.9
IV 1000	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 900	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 800	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 700	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 600	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 500	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 400	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 300	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 200	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 100	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0
IV 0	80.3	84.2	87.0	88.1	88.6	90.1	91.4	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	93.0

TOTAL NUMBER OF OBSERVATIONS 385

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

04197 BAD TOLZ GERMANY AAF

67

CT

STATION

STATION NAME

LAWS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

210-230
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 7/16	≥ 3/8	≥ 1/4	≥ 1/8
NO CEILING	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
≥ 20000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 13000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 16000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 14000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 12000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 10000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 9000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 8000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 7000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 6000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 5000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 4000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 3000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 2000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 1000	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 900	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 800	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 700	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 600	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 500	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 400	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 300	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 200	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 100	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0
IV 0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0	100,0

TOTAL NUMBER OF OBSERVATIONS 5

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 340 TOLZ GERMANY AAF

65-69

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

230-030

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .03	≥ .01
NO CEILING ≥ 20000	26.1	27.6	29.1	29.9	30.2	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	31.3	31.3
IV 18000	29.1	30.6	32.1	32.8	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.3	34.3
IV 16000	29.1	30.6	32.1	32.8	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.3	34.3
IV 14000	29.1	30.6	32.1	32.8	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.3	34.3
IV 12000	29.1	30.6	32.1	32.8	33.2	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	33.6	34.3	34.3
IV 10000	29.9	31.3	32.8	33.6	34.0	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	35.1	35.1
IV 9000	30.6	32.1	33.6	34.3	34.7	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.8	35.8
IV 8000	32.5	34.3	35.8	36.6	36.9	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	38.1	38.1
IV 7000	33.2	35.1	36.6	37.3	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	39.2	39.2
IV 6000	34.3	36.2	37.7	38.4	38.8	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	40.3	40.3
IV 5000	34.4	40.7	42.4	43.7	44.0	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	45.3	45.3
IV 4500	40.3	42.5	44.8	45.8	45.9	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	47.4	47.4
IV 4000	42.5	45.5	48.1	48.9	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.7	50.7
IV 3500	54.8	47.8	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	53.7	53.7
IV 3000	45.3	50.0	53.0	53.7	54.1	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	56.3	56.3
IV 2500	50.4	54.9	58.2	59.3	60.1	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	62.3	62.3
IV 2000	51.1	56.3	60.8	61.9	62.7	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.9	64.9
IV 1800	52.2	57.8	62.3	63.4	64.2	64.9	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.4	66.4
IV 1600	52.6	58.6	63.1	64.2	64.9	65.0	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	69.0	69.0
IV 1400	52.4	59.7	63.8	64.9	65.5	67.5	69.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	72.4	72.4
IV 1200	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 1000	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 900	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 800	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 700	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 600	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 500	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 400	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 300	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 200	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 100	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4
IV 0	53.7	60.1	66.0	67.1	67.8	71.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	75.4	75.4

TOTAL NUMBER OF OBSERVATIONS

268

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 34197 RAF TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

FORM NO. 1-63

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .01
NO CEILING		25.6	25.6	27.8	28.3	28.7	28.7	29.1	29.1	29.1	29.2	29.2	29.2	29.6	29.6	30.0
≥ 20000		28.3	28.3	30.5	31.0	31.4	31.4	31.8	31.8	31.8	31.9	31.9	31.9	32.3	32.3	32.9
≥ 18000		28.3	28.3	30.5	31.0	31.4	31.4	31.8	31.8	31.8	31.9	31.9	31.9	32.3	32.3	32.9
≥ 16000		28.3	28.3	30.5	31.0	31.4	31.4	31.8	31.8	31.8	31.9	31.9	31.9	32.3	32.3	32.9
≥ 14000		28.3	28.3	30.5	31.0	31.4	31.4	31.8	31.8	31.8	31.9	31.9	31.9	32.3	32.3	32.9
≥ 12000		28.7	28.7	30.9	31.4	31.8	31.8	32.1	32.1	32.1	32.3	32.3	32.3	32.7	32.7	33.2
≥ 10000		30.1	30.1	32.3	32.9	33.2	33.2	33.6	33.6	33.6	33.8	33.8	33.8	34.1	34.1	34.7
≥ 9000		30.7	30.7	32.9	33.4	33.8	33.8	34.1	34.1	34.1	34.3	34.3	34.3	34.7	34.7	35.2
≥ 8000		32.1	32.1	34.3	34.8	35.2	35.2	35.7	35.7	35.7	35.9	35.9	35.9	36.3	36.3	36.8
≥ 7000		34.7	34.7	36.8	37.4	37.7	37.7	38.3	38.3	38.3	38.6	38.6	38.6	39.2	39.2	39.7
≥ 6000		35.9	35.9	38.1	38.6	39.0	39.2	39.7	39.7	39.7	40.1	40.1	40.1	40.6	40.6	41.2
≥ 5000		41.0	41.0	43.9	44.4	44.8	44.8	45.3	45.3	45.3	45.8	45.8	46.0	46.4	46.4	46.9
≥ 4500		42.2	42.2	45.2	45.8	46.2	46.2	46.9	46.9	46.9	47.3	47.3	47.3	47.8	47.8	48.4
≥ 4000		45.3	45.3	48.4	48.9	49.3	49.3	50.0	50.0	50.0	51.1	51.1	51.1	51.6	51.6	52.5
≥ 3500		46.8	47.3	50.5	51.1	51.6	51.6	52.3	52.3	52.3	53.4	53.4	53.4	54.0	54.0	54.9
≥ 3000		49.5	50.2	53.4	54.0	54.7	54.7	55.8	55.8	55.8	56.7	56.7	56.7	57.2	57.2	58.1
≥ 2500		52.0	53.1	56.7	58.1	59.2	60.1	61.2	61.2	61.2	61.7	61.7	61.7	61.9	61.9	62.8
≥ 2000		54.0	55.1	58.8	60.3	61.4	62.5	63.7	63.7	63.7	64.3	64.3	64.3	64.4	64.4	65.3
≥ 1800		54.7	56.0	59.7	61.2	62.3	63.7	65.0	65.2	65.2	65.8	65.8	65.8	66.1	66.1	66.6
≥ 1500		56.9	58.7	62.5	64.6	66.1	67.9	69.5	69.5	69.5	70.0	70.2	70.2	70.6	70.6	71.1
≥ 1200		58.1	60.1	64.1	66.2	68.1	70.4	72.2	72.4	72.4	73.3	73.3	73.3	73.6	73.6	74.2
≥ 1000		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 900		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 800		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 700		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 600		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 500		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 400		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 300		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 200		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 100		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4
≥ 0		58.1	60.1	64.8	67.3	69.1	71.5	73.3	73.8	73.8	74.7	75.3	75.3	75.8	75.8	76.4

TOTAL NUMBER OF OBSERVATIONS 554

DATA PROCESSING DIVISION
USAF STAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TOLZ GERMANY AAF

64-72

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

19.0-1100

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ .05
NO CEILING		22.0	23.1	23.4	23.8	24.1	24.2	24.6	25.0	25.3	25.3	25.3	25.5	25.5	25.5	25.5
≥ 20000		29.8	30.9	31.7	32.0	32.5	32.9	33.2	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2
IN 18000		29.8	30.9	31.7	32.0	32.5	32.9	33.2	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2
IN 16000		29.8	30.9	31.7	32.0	32.5	32.9	33.2	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2
IN 14000		29.8	30.9	31.7	32.0	32.5	32.9	33.2	33.6	33.9	33.9	33.9	34.2	34.2	34.2	34.2
IN 12000		30.4	31.4	32.2	32.5	33.1	33.4	33.7	34.1	34.4	34.4	34.4	34.7	34.7	34.7	34.7
IN 10000		32.4	33.4	34.2	34.6	35.1	35.4	35.8	36.1	36.4	36.4	36.4	36.8	36.8	36.8	36.8
IN 9000		32.5	33.7	34.6	34.9	35.4	35.8	36.1	36.4	36.8	36.8	36.8	37.1	37.1	37.1	37.1
IN 8000		36.1	37.3	38.1	38.4	39.0	39.5	40.0	40.3	40.8	40.8	40.8	41.1	41.1	41.1	41.3
IN 7000		38.3	39.5	40.3	40.6	41.1	41.8	42.2	42.5	43.0	43.2	43.2	43.5	43.5	43.5	43.7
IN 6000		40.6	41.8	42.7	43.0	43.5	44.4	44.9	45.2	45.7	45.9	45.9	46.2	46.2	46.2	46.4
IN 5000		42.5	43.7	44.5	44.9	45.4	46.2	46.7	47.0	47.6	47.7	47.7	48.1	48.1	48.1	48.4
IN 4500		45.5	46.7	47.5	48.1	48.6	49.4	49.9	50.3	50.8	50.9	50.9	51.3	51.3	51.3	51.6
IN 4000		47.2	48.4	49.2	49.7	50.4	51.3	51.8	52.1	52.3	53.0	53.0	53.3	53.3	53.3	53.6
IN 3500		50.8	51.4	52.3	53.1	53.3	54.6	55.3	55.8	56.3	56.7	56.7	57.0	57.0	57.0	57.3
IN 3000		52.4	53.6	54.6	55.5	56.2	57.2	58.0	58.2	59.3	59.4	59.4	59.7	59.7	59.7	60.0
IN 2500		54.8	56.3	57.7	58.5	59.4	60.9	61.8	61.9	62.7	62.9	62.9	63.2	63.2	63.2	63.6
IN 2000		56.9	58.0	59.7	60.5	61.4	63.1	64.7	64.1	64.9	65.1	65.1	65.4	65.4	65.4	65.8
IN 1800		58.7	59.5	60.6	61.2	62.1	63.7	64.6	65.1	65.9	66.1	66.1	66.4	66.4	66.4	66.8
IN 1500		59.0	61.6	63.7	65.1	66.1	68.0	69.1	69.8	70.8	71.3	71.3	71.3	71.3	71.3	71.7
IN 1200		60.2	63.2	66.6	68.5	69.8	72.2	73.7	74.5	75.9	76.1	76.1	76.4	76.4	76.4	76.7
IN 1000		60.4	63.4	67.3	69.5	71.0	74.4	76.1	77.2	78.8	79.1	79.1	79.4	79.4	79.4	79.8
IN 900		60.8	63.6	67.8	70.2	71.7	75.3	77.4	78.6	80.4	80.8	80.8	81.1	81.1	81.1	81.5
IN 800		60.5	63.6	67.9	70.5	72.2	76.2	78.9	80.3	82.5	83.0	83.0	83.3	83.3	83.3	83.6
IN 700		60.9	63.9	68.3	71.5	73.3	78.6	81.3	83.1	85.3	86.3	86.3	86.6	86.6	86.6	87.4
IN 600		61.0	64.2	68.6	71.8	74.0	79.4	82.6	84.3	87.4	88.2	88.2	88.5	88.5	88.5	89.7
IN 500		61.0	64.2	69.0	72.0	74.2	80.1	83.5	85.5	89.0	90.2	90.2	90.6	90.6	90.6	91.1
IN 400		61.0	64.2	69.0	72.0	74.2	80.1	83.5	85.5	89.0	90.2	90.2	90.6	90.6	90.6	91.4
IN 300		61.0	64.2	69.0	72.0	74.2	80.1	83.5	85.5	89.0	90.2	90.2	90.6	90.6	90.6	91.4
IN 200		61.0	64.2	69.0	72.0	74.2	80.1	83.5	85.5	89.0	90.2	90.2	90.6	90.6	90.6	91.4
IN 100		61.0	64.2	69.0	72.0	74.2	80.1	83.5	85.5	89.0	90.2	90.2	90.6	90.6	90.6	91.4
IN 0		61.0	64.2	69.0	72.0	74.2	80.1	83.5	85.5	89.0	90.2	90.2	90.6	90.6	90.6	91.4

TOTAL NUMBER OF OBSERVATIONS 393

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAU TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (L.P.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .58	≥ .5	≥ .56	≥ .5	≥ .5
NO CEILING ≥ 20000		25.2 33.8	25.7 34.6	25.8 35.0	25.8 35.3	26.4 35.8	26.5 36.0	27.0 36.5	27.0 36.5	27.0 36.5	27.0 36.5	27.0 36.5	27.2 36.7	27.2 36.7	27.2 36.7	27.2 36.7
≥ 18000 ≥ 16000		33.8 33.8	34.6 34.6	35.0 35.0	35.3 35.3	35.8 35.8	36.0 36.0	36.5 36.5	36.5 36.5	36.5 36.5	36.5 36.5	36.5 36.5	36.7 36.7	36.7 36.7	36.7 36.7	36.7 36.7
≥ 14000 ≥ 12000		34.1 34.8	35.0 35.6	35.3 36.0	35.6 36.3	36.1 36.8	36.2 37.0	36.8 37.5	36.8 37.5	36.8 37.5	36.8 37.5	36.8 37.5	37.0 37.7	37.0 37.7	37.0 37.7	37.0 37.7
≥ 10000 ≥ 9000		35.6 37.2	36.7 38.2	37.0 38.5	37.3 38.9	37.8 39.4	38.0 39.5	38.5 40.0	38.5 40.0	38.5 40.0	38.5 40.0	38.5 40.0	38.7 40.2	38.7 40.2	38.7 40.2	38.7 40.2
≥ 8000 ≥ 7000		39.5 42.7	40.5 43.8	40.9 44.3	41.7 45.1	42.2 45.6	42.4 45.8	42.9 46.3	42.9 46.5	42.9 46.5	42.9 46.5	42.9 46.5	43.1 46.6	43.1 46.6	43.1 46.6	43.1 46.6
≥ 6000 ≥ 5000		41.6 47.3	43.6 48.3	46.1 48.8	47.0 49.8	47.6 50.5	47.8 50.7	48.3 51.4	48.3 51.4	48.3 51.5	48.3 51.5	48.3 51.5	48.6 51.7	48.6 51.7	48.6 51.7	48.6 51.7
≥ 4500 ≥ 4000		50.0 51.4	51.0 52.4	51.8 52.9	52.5 53.9	53.2 54.6	53.4 54.8	54.1 55.5	54.1 55.6	54.2 56.0	54.2 56.3	54.2 56.3	54.4 56.4	54.4 56.4	54.4 56.4	54.4 56.4
≥ 3500 ≥ 3000		53.0 54.4	54.2 55.7	54.7 56.6	55.7 58.3	57.1 59.6	57.4 60.1	58.1 60.8	58.1 60.8	58.3 61.0	58.3 61.0	58.3 61.0	58.4 61.1	58.4 61.1	58.4 61.1	58.4 61.1
≥ 2500 ≥ 2000		56.5 59.1	58.3 60.3	59.3 62.0	61.1 63.9	62.5 65.2	63.0 65.7	63.7 66.7	63.7 66.7	63.9 66.9	63.9 66.9	63.9 66.9	64.0 67.1	64.0 67.1	64.0 67.1	64.0 67.1
≥ 1800 ≥ 1500		58.8 61.1	61.5 62.8	63.0 64.7	65.4 67.6	66.7 69.3	67.2 70.4	68.2 71.5	68.2 71.5	68.4 72.0	68.4 72.0	68.4 72.0	68.6 72.1	68.6 72.1	68.6 72.1	68.6 72.1
≥ 1200 ≥ 1000		62.8 63.2	64.0 65.0	66.2 67.6	70.3 72.5	71.8 74.3	72.1 74.4	74.2 78.4	74.2 78.4	74.3 78.9	74.3 78.9	74.3 78.9	75.0 80.2	75.0 80.4	75.0 80.4	75.0 80.4
≥ 900 ≥ 800		63.3 63.5	65.4 65.5	67.9 68.2	73.0 73.5	75.2 75.7	77.1 77.7	79.7 81.9	80.2 82.6	81.4 84.0	81.4 84.0	81.4 84.0	81.6 84.3	81.6 84.3	81.6 84.3	81.6 84.3
≥ 700 ≥ 600		63.7 63.7	65.7 65.7	68.8 68.8	74.3 74.3	76.7 76.9	81.3 81.9	84.1 86.3	84.1 86.3	84.8 88.7	84.8 88.7	84.8 88.7	86.7 89.5	86.7 89.5	86.7 89.5	86.7 89.5
≥ 500 ≥ 400		63.7 63.7	65.7 65.7	68.8 68.8	74.3 74.3	77.2 77.2	82.4 82.4	87.2 87.3	88.0 88.3	91.2 92.4	92.1 93.6	92.1 93.6	92.4 94.4	92.4 94.4	92.4 94.4	92.4 94.4
≥ 300 ≥ 200		63.7 63.7	65.7 65.7	68.8 68.8	74.3 74.3	77.2 77.2	82.4 82.4	87.2 87.8	88.9 88.9	93.9 93.9	95.8 95.8	95.8 95.8	96.1 97.1	96.1 97.1	96.1 97.1	96.1 97.1
≥ 100 ≥ 0		63.7 63.7	65.7 65.7	68.8 68.8	74.3 74.3	77.2 77.2	82.4 82.4	87.2 87.8	88.9 88.9	93.9 93.9	95.8 95.8	95.8 95.8	96.1 97.1	96.1 97.1	96.1 97.1	96.1 97.1

TOTAL NUMBER OF OBSERVATIONS 592

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATIONBAF TOLZ GERMANY AAF
STATION NAME64-70
YEARSV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15-0-1700
NO. OF HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4
NO CEILING		24.4	25.2	25.7	26.2	26.2	26.2	26.7	26.7	27.1	27.1	27.1	27.1	27.2	27.2	27.2
≥ 20000		30.8	31.6	32.1	32.7	32.7	32.7	33.2	33.2	33.5	33.5	33.5	33.5	33.7	33.7	33.7
≥ 18000		30.8	31.6	32.1	32.7	32.7	32.7	33.2	33.2	33.5	33.5	33.5	33.5	33.7	33.7	33.7
≥ 16000		30.8	31.6	32.1	32.7	32.7	32.7	33.2	33.2	33.5	33.5	33.5	33.5	33.7	33.7	33.7
≥ 14000		30.8	31.6	32.1	32.7	32.7	32.7	33.2	33.2	33.5	33.5	33.5	33.5	33.7	33.7	33.7
≥ 12000		31.6	32.5	33.0	33.5	33.5	33.5	34.0	34.0	34.3	34.3	34.3	34.3	34.5	34.5	34.5
≥ 10000		33.8	34.9	35.4	35.9	35.9	35.9	36.4	36.4	36.7	36.7	36.7	36.7	36.9	36.9	36.9
≥ 9000		34.0	35.0	35.5	36.2	36.4	36.4	36.9	36.9	37.2	37.2	37.4	37.4	37.6	37.6	37.6
≥ 8000		36.7	37.7	38.4	39.4	39.8	39.8	40.4	40.4	40.8	40.8	40.9	40.9	41.1	41.1	41.1
≥ 7000		39.8	40.8	41.6	42.8	43.1	43.1	43.8	43.8	44.2	44.2	44.3	44.3	44.5	44.5	44.5
≥ 6000		40.8	41.8	42.6	43.8	44.2	44.2	44.8	44.8	45.2	45.2	45.3	45.3	45.5	45.5	45.5
≥ 5000		43.1	44.2	45.0	46.2	46.5	46.5	47.2	47.2	47.5	47.5	47.7	47.7	47.9	47.9	47.9
≥ 4500		45.2	46.2	47.0	48.2	48.6	48.6	49.2	49.2	49.6	49.6	49.7	49.7	49.9	49.9	49.9
≥ 4000		48.2	49.2	50.1	51.3	51.8	51.8	52.5	52.5	52.8	52.8	53.0	53.0	53.1	53.1	53.1
≥ 3500		51.6	53.0	53.8	55.0	55.5	55.5	56.2	56.2	56.5	56.5	56.7	56.7	56.9	56.9	56.9
≥ 3000		54.3	56.2	57.7	59.1	59.7	59.7	60.4	60.4	60.7	60.7	60.9	60.9	61.1	61.1	61.1
≥ 2500		58.0	59.9	61.6	63.5	64.3	64.3	65.0	65.0	65.3	65.3	65.5	65.5	65.7	65.7	65.7
≥ 2000		59.7	62.1	63.8	66.0	67.0	67.0	67.7	67.7	68.0	68.0	68.2	68.2	68.4	68.4	68.4
≥ 1800		60.7	63.3	65.3	67.5	68.7	68.7	69.4	69.4	69.7	69.7	70.1	70.1	70.2	70.2	70.2
≥ 1500		61.3	64.1	66.5	69.4	70.9	71.1	71.9	72.1	72.4	72.4	72.6	72.6	72.8	72.8	72.8
≥ 1200		61.9	65.0	67.5	70.9	72.4	72.7	74.3	74.6	75.0	75.0	75.1	75.1	75.3	75.3	75.3
≥ 1000		62.6	66.3	69.4	72.9	74.5	75.3	77.0	77.2	77.8	77.8	78.2	78.2	78.3	78.3	78.3
≥ 900		62.9	66.7	69.9	73.9	75.6	77.0	78.5	78.7	79.9	79.9	80.2	80.2	80.4	80.4	80.4
≥ 800		63.3	67.0	70.2	74.6	76.3	78.7	81.0	81.6	83.1	83.2	83.6	83.6	83.8	83.8	83.8
≥ 700		63.3	67.0	70.2	74.8	76.5	78.9	82.1	82.6	84.3	84.3	84.6	84.6	84.8	84.8	84.8
≥ 600		63.3	67.0	70.2	75.0	76.6	79.3	82.6	83.6	85.6	85.6	85.9	85.9	86.2	86.2	86.2
≥ 500		63.3	67.0	70.4	75.1	76.8	80.4	83.8	85.1	88.2	88.2	88.5	88.5	88.7	88.7	88.7
≥ 400		63.3	67.0	70.4	75.1	76.8	80.4	84.6	86.1	90.2	90.2	90.5	90.5	90.7	90.7	90.7
≥ 300		63.3	67.0	70.4	75.1	76.8	80.4	84.6	86.1	90.2	90.2	90.5	90.5	90.7	90.7	90.7
≥ 200		63.3	67.0	70.4	75.1	76.8	80.4	84.6	86.1	90.2	90.2	90.5	90.5	90.7	90.7	90.7
≥ 100		63.3	67.0	70.4	75.1	76.8	80.4	84.6	86.1	90.2	90.2	90.5	90.5	90.7	90.7	90.7
≥ 0		63.3	67.0	70.4	75.1	76.8	80.4	84.6	86.1	90.2	90.2	90.5	90.5	90.7	90.7	90.7

TOTAL NUMBER OF OBSERVATIONS

591

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAD TULZ GERMANY AAF

65-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-2000
HOURS U.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		30.7	32.3	33.4	34.1	34.1	34.8	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.7	35.9
≥ 20000		34.5	36.3	37.2	37.9	37.9	38.8	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.7	39.9
IV 18000		34.5	36.3	37.2	37.9	37.9	39.0	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.9	40.1
IV 16000		34.9	36.3	37.2	37.9	37.9	39.0	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.9	40.1
IV 14000		35.2	37.0	37.9	38.6	38.6	39.7	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.6	40.8
IV 12000		35.2	37.0	37.9	38.6	38.6	39.7	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.6	40.8
IV 10000		37.7	39.5	40.4	41.0	41.0	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	43.0	43.3
IV 9000		37.7	39.5	40.4	41.3	41.3	42.6	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.7	43.9
IV 8000		40.8	42.6	43.5	44.6	44.6	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.9	47.1
IV 7000		43.3	45.1	46.0	47.5	47.5	48.9	49.6	49.6	49.6	49.6	49.6	49.6	49.6	50.0	50.2
IV 6000		43.9	45.7	46.6	48.2	48.2	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.7	50.9
IV 5000		44.6	46.4	47.3	48.9	48.9	50.2	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.3	51.6
IV 4500		45.0	48.0	48.9	50.4	50.4	51.8	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.9	53.1
IV 4000		47.5	49.6	50.4	52.0	52.0	53.4	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.5	54.7
IV 3500		50.7	52.7	54.3	55.8	55.8	57.2	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.3	58.5
IV 3000		52.2	54.3	55.8	57.8	57.8	59.4	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.5	60.8
IV 2500		55.2	57.8	60.3	62.8	62.8	64.3	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.5	65.7
IV 2000		56.7	60.1	63.9	67.7	67.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.4	70.6
IV 1800		57.2	61.0	65.8	69.3	69.3	71.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7	72.2	72.4
IV 1500		57.6	61.7	66.6	70.6	70.6	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.5	73.8
IV 1200		58.1	62.6	68.4	72.4	72.4	74.2	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.3	75.6
IV 1000		58.1	62.6	68.4	72.4	72.6	75.6	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.6	77.8
IV 900		58.1	62.8	68.6	72.6	72.9	76.0	77.1	77.6	77.6	77.6	77.6	77.6	77.6	78.0	78.3
IV 800		58.1	63.0	68.8	72.9	73.1	76.9	78.3	78.7	79.4	79.4	79.4	79.4	79.4	79.8	80.0
IV 700		58.1	63.2	69.1	73.1	73.3	77.2	78.9	79.4	80.3	81.6	81.6	81.6	81.6	82.1	82.3
IV 600		58.1	63.2	69.1	73.1	73.3	77.1	79.1	80.3	82.1	83.4	84.1	84.1	84.1	84.5	84.8
IV 500		58.1	63.2	69.1	73.1	73.3	77.4	79.6	81.2	84.1	85.1	85.1	85.1	85.1	85.7	85.9
IV 400		58.1	63.2	69.3	73.3	73.5	77.6	80.3	81.8	85.7	87.9	88.8	89.0	89.5	89.5	89.9
IV 300		58.1	63.2	69.3	73.3	73.5	77.6	80.3	81.8	85.9	89.0	90.1	90.6	91.5	92.2	92.6
IV 200		58.1	63.2	69.3	73.3	73.5	77.6	80.3	81.8	85.9	89.0	90.6	91.5	93.7	93.7	95.3
IV 100		58.1	63.2	69.3	73.3	73.5	77.6	80.3	81.8	85.9	89.0	90.6	91.7	94.8	95.1	99.6
IV 0		58.1	63.2	69.3	73.3	73.5	77.6	80.3	81.8	85.9	89.0	90.8	91.7	94.8	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 446

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 STATION BAD TOLZ GERMANY AAF

65-70 YEARS

FC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1350-0500 HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING ≥ 20000	26.6	27.7	28.2	29.1	29.5	29.5	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	30.0	30.0
≥ 18000	27.7	29.1	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 16000	27.7	29.1	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 14000	27.7	29.1	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 12000	27.7	29.1	29.5	29.5	29.5	29.5	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
≥ 10000	30.0	31.4	31.8	31.8	31.8	31.8	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 9000	30.0	31.4	31.8	31.8	31.8	31.8	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 8000	31.8	33.2	33.6	33.6	33.6	33.6	34.1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 7000	34.5	35.9	36.4	36.4	36.4	36.4	36.8	37.7	37.7	37.7	37.7	38.2	38.2	38.2	39.1	39.1
≥ 6000	35.9	36.8	37.3	37.3	37.3	37.3	37.7	38.6	38.6	38.6	39.1	39.1	39.1	39.1	40.0	40.0
≥ 5000	36.8	38.2	38.6	38.6	38.6	38.6	39.1	40.0	40.0	40.0	40.0	40.0	40.0	40.0	41.4	41.4
≥ 4500	40.5	41.8	42.3	42.3	42.3	42.3	42.7	43.6	43.6	43.6	44.1	44.1	44.1	44.1	45.0	45.0
≥ 4000	40.9	42.3	42.7	42.7	42.7	42.7	43.2	44.1	44.1	44.1	44.1	44.1	44.1	44.1	45.0	45.0
≥ 3500	45.9	47.3	47.7	47.7	47.7	47.7	48.2	49.1	49.1	49.1	49.1	49.1	49.1	49.1	50.5	50.5
≥ 3000	49.1	51.8	52.3	52.3	52.3	52.3	53.6	54.5	54.5	54.5	55.0	55.0	55.0	55.0	55.9	55.9
≥ 2500	51.8	53.2	53.6	53.6	53.6	53.6	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	56.4	56.4
≥ 2000	53.6	55.0	55.4	55.4	55.4	55.4	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.2	58.2
≥ 1800	53.6	55.0	55.4	55.4	55.4	55.4	56.4	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.2	58.2
≥ 1500	54.5	55.9	56.4	56.4	56.4	56.4	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 1200	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 1000	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 900	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 800	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 700	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 600	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 500	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 400	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 300	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 200	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 100	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1
≥ 0	55.0	56.4	56.8	56.8	56.8	56.8	57.3	58.2	58.2	58.2	58.2	58.2	58.2	58.2	59.1	59.1

TOTAL NUMBER OF OBSERVATIONS 220

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAO TOLZ GERMANY AAF

64-70

JFC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0700
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 4/10	≥ 3/10	≥ 0
NO CEILING		25.2	25.6	26.6	26.7	26.7	27.3	28.1	28.1	28.6	29.0	29.6	29.6	29.6	29.8	29.8
≥ 20000		28.4	28.8	29.8	29.9	30.1	30.5	31.3	31.3	31.8	32.2	32.8	32.8	32.8	33.0	33.1
IV 18000		28.4	28.8	29.8	29.9	30.1	30.5	31.3	31.3	31.8	32.2	32.8	32.8	32.8	33.0	33.1
IV 16000		28.4	28.8	29.8	29.9	30.1	30.5	31.3	31.3	31.8	32.2	32.8	32.8	32.8	33.0	33.1
IV 14000		28.6	29.0	29.9	30.1	30.3	30.7	31.5	31.5	32.0	32.4	33.0	33.0	33.0	33.1	33.3
IV 12000		28.6	29.0	29.9	30.1	30.3	30.7	31.5	31.5	32.0	32.4	33.0	33.0	33.0	33.1	33.3
IV 10000		30.1	30.5	31.5	31.6	31.8	32.2	33.0	33.0	33.5	33.9	34.5	34.5	34.5	34.7	34.8
IV 9000		30.3	30.7	31.6	31.8	32.0	32.4	33.1	33.1	33.7	34.1	34.7	34.7	34.7	34.8	35.0
IV 8000		33.3	33.3	34.3	34.5	34.7	35.0	35.6	35.6	36.3	36.7	37.3	37.3	37.3	37.5	37.7
IV 7000		34.7	35.0	35.0	36.2	36.2	36.7	37.5	37.5	38.0	38.4	39.0	39.0	39.0	39.2	39.4
IV 6000		35.4	35.8	36.7	36.7	37.1	37.5	38.6	38.6	39.2	39.7	40.3	40.3	40.3	40.5	40.7
IV 5000		37.3	37.9	39.0	39.4	39.5	39.9	41.1	41.1	41.6	42.2	42.7	42.7	42.7	42.9	43.1
IV 4500		38.2	39.0	40.3	40.7	40.8	41.2	42.4	42.4	42.9	43.5	44.1	44.1	44.1	44.3	44.4
IV 4000		39.7	40.5	41.8	42.4	42.6	42.9	44.1	44.1	44.6	45.2	45.8	45.8	45.8	46.0	46.1
IV 3500		43.3	44.1	45.4	46.1	46.3	46.7	47.8	47.8	48.4	49.0	49.5	49.5	49.5	49.7	49.9
IV 3000		47.1	48.0	50.1	50.8	51.4	52.5	53.7	53.7	54.4	55.0	55.6	55.6	55.6	55.7	55.9
IV 2500		49.7	51.4	52.9	53.0	53.6	56.7	57.8	57.8	58.6	59.1	59.7	59.7	59.7	59.9	60.1
IV 2000		51.6	52.5	57.4	59.3	60.3	61.4	62.7	62.7	63.7	64.2	64.8	64.8	64.8	65.0	65.2
IV 1800		52.0	53.9	57.8	59.7	61.0	62.3	63.7	63.8	64.6	65.2	65.7	65.7	65.7	65.9	66.1
IV 1500		52.9	53.0	59.1	61.4	63.3	65.3	66.7	66.9	67.6	68.2	68.7	68.9	68.9	69.1	69.3
IV 1200		54.4	57.1	61.8	64.6	67.0	69.3	71.0	71.2	72.1	73.1	74.0	74.2	74.2	74.4	74.6
IV 1000		54.6	57.3	62.0	65.0	67.6	70.6	72.3	72.7	73.8	74.8	75.9	75.1	76.1	76.3	76.5
IV 900		54.6	57.3	62.0	65.2	67.8	70.8	73.4	73.6	74.8	76.1	77.4	77.6	77.6	77.8	78.0
IV 800		54.8	57.4	62.9	66.1	68.7	72.1	75.0	75.3	77.0	78.3	79.8	80.4	80.4	80.6	80.8
IV 700		55.6	58.6	64.0	67.4	70.1	73.8	76.6	77.2	79.1	80.6	82.1	82.7	82.7	82.9	83.1
IV 600		55.7	58.8	64.6	68.0	70.6	75.1	78.3	79.1	81.4	83.1	84.6	85.1	85.3	85.5	85.7
IV 500		55.9	58.9	65.3	68.9	71.6	76.5	80.0	81.2	84.7	87.0	88.9	90.4	91.5	91.7	92.1
IV 400		55.9	58.9	65.3	68.9	71.6	76.5	80.0	81.2	84.7	87.0	88.9	90.4	91.5	91.7	92.1
IV 300		55.9	58.9	65.3	68.9	71.6	76.5	80.0	81.2	84.7	87.0	88.9	90.4	91.5	91.7	92.1
IV 200		55.9	58.9	65.3	68.9	71.6	76.5	80.0	81.2	84.7	87.0	88.9	90.4	91.5	91.7	92.1
IV 100		55.9	58.9	65.3	68.9	71.6	76.5	80.0	81.2	84.7	87.0	88.9	90.4	91.5	91.7	92.1
IV 0		55.9	58.9	65.3	68.9	71.6	76.5	80.0	81.2	84.7	87.0	88.9	90.4	91.5	91.7	92.1

TOTAL NUMBER OF OBSERVATIONS 531

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197 BAW TOLZ GERMANY AAF

64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6900-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ 1/4	≥ 0
NO CEILING		20.9	22.9	23.9	24.0	24.0	24.9	25.0	25.0	25.5	25.5	25.9	25.9	26.2	26.2	26.7
≥ 20000		24.4	26.5	27.5	27.7	27.7	28.5	28.9	28.9	29.4	29.4	29.7	29.7	30.0	30.0	30.5
IV 18000		24.7	26.9	27.9	28.0	28.0	28.9	29.2	29.2	29.7	29.7	30.0	30.0	30.3	30.3	30.8
IV 16000		24.7	26.9	27.9	28.0	28.0	28.9	29.2	29.2	29.7	29.7	30.0	30.0	30.3	30.3	30.8
IV 14000		24.7	26.9	27.9	28.0	28.0	28.9	29.2	29.2	29.7	29.7	30.0	30.0	30.3	30.3	30.8
IV 12000		24.7	26.9	27.9	28.0	28.0	28.9	29.2	29.2	29.7	29.7	30.0	30.0	30.3	30.3	30.8
IV 10000		27.0	29.4	30.3	30.5	30.5	31.5	31.8	31.8	32.3	32.3	32.7	32.7	33.0	33.0	33.5
IV 9000		28.7	31.0	32.0	32.2	32.2	33.2	33.5	33.5	34.0	34.0	34.3	34.3	34.7	34.7	35.2
IV 8000		31.2	33.7	34.7	34.8	34.8	35.8	36.2	36.2	36.7	36.7	37.0	37.0	37.3	37.3	37.8
IV 7000		34.0	36.5	37.5	37.6	37.6	38.6	39.0	39.0	39.5	39.5	40.0	40.0	40.3	40.3	40.8
IV 6000		36.5	38.8	39.8	40.0	40.0	41.0	41.3	41.3	41.8	41.8	42.0	42.5	42.5	42.8	43.8
IV 5000		38.6	41.3	42.3	42.5	42.5	43.4	43.8	43.8	44.3	44.3	44.4	44.9	44.9	45.3	46.3
IV 4500		40.3	43.0	43.9	44.1	44.1	45.1	45.4	45.4	45.9	45.9	46.1	46.6	46.6	46.9	47.9
IV 4000		42.5	45.1	46.1	46.4	46.4	47.4	48.4	48.4	49.3	49.3	49.4	49.9	49.9	50.2	51.2
IV 3500		44.0	47.6	48.6	48.9	48.9	49.9	50.9	51.1	52.1	52.1	52.7	52.7	53.1	53.1	54.1
IV 3000		48.8	51.6	52.7	53.4	53.6	54.6	55.6	55.7	57.0	57.0	57.2	57.7	58.0	58.0	59.0
IV 2500		51.2	54.6	55.9	56.9	57.2	58.2	59.2	59.4	60.7	60.7	61.4	61.4	61.7	61.7	62.7
IV 2000		53.4	56.9	59.2	60.9	61.2	62.5	63.5	63.7	65.2	65.2	65.3	65.8	65.8	66.2	67.2
IV 1800		53.7	57.2	59.7	61.4	61.7	63.5	64.7	65.0	66.5	66.5	67.2	67.2	67.5	67.5	68.5
IV 1500		55.2	58.9	61.4	63.2	63.8	65.8	67.2	67.5	69.2	69.2	69.3	69.8	69.8	70.1	71.1
IV 1200		56.6	61.2	63.2	65.7	66.5	70.8	72.8	72.8	74.8	74.8	75.0	75.6	75.6	76.0	76.9
IV 1000		56.6	61.7	63.7	66.2	67.2	71.8	73.5	73.8	76.5	76.5	76.6	77.4	77.4	77.8	78.9
IV 900		56.6	61.7	63.7	66.2	67.2	71.8	73.5	73.8	76.5	76.5	76.6	77.4	77.4	77.8	78.9
IV 800		56.6	62.0	66.3	69.3	70.6	73.6	76.3	76.9	80.8	80.8	81.3	82.4	82.4	82.8	83.9
IV 700		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 600		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 500		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 400		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 300		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 200		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 100		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2
IV 0		56.6	62.2	66.5	69.5	70.8	74.8	77.1	77.9	82.6	82.6	83.3	84.6	84.6	85.1	86.2

TOTAL NUMBER OF OBSERVATIONS 603

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATION

BAU TOLZ GERMANY AAF
STATION NAME

64-70
YEARS

JFC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1276-1406
HOURS T.O.S.T.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ 1/2	≥ 3/8	≥ 1/4	≥ 0
NO CEILING		19.9	21.1	22.5	22.6	22.8	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 20000		24.5	25.7	27.3	27.4	27.6	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 18000		24.5	25.7	27.3	27.4	27.6	28.0	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 16000		25.0	26.2	27.8	28.0	28.1	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 14000		25.0	26.2	27.8	28.0	28.1	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
IV 12000		26.4	27.6	29.2	29.3	29.5	29.8	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 10000		28.6	29.8	31.4	31.6	31.7	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 9000		32.1	33.8	35.3	35.5	35.7	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 8000		35.3	37.0	38.6	38.8	38.9	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IV 7000		37.4	39.5	41.0	41.3	41.5	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 6000		40.0	42.0	43.6	43.9	44.1	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 5000		43.6	45.6	47.2	47.5	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 4500		46.7	49.1	50.8	51.3	51.5	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 4000		48.2	50.6	52.3	53.0	53.2	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 3500		51.5	54.0	55.9	56.8	57.3	58.1	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 3000		54.5	57.3	59.5	60.9	61.6	62.4	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IV 2500		56.9	60.0	62.0	64.8	65.5	66.9	67.8	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 2000		57.6	61.2	64.3	66.2	66.9	68.4	69.3	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1800		59.0	62.8	66.0	68.4	69.1	70.7	71.9	71.9	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 1500		59.9	64.0	67.6	71.4	72.4	74.3	75.6	75.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1200		60.4	65.2	69.0	73.2	74.6	77.2	79.6	80.3	82.7	83.2	83.4	83.4	83.4	83.4	83.4
IV 1000		60.4	65.4	69.1	73.4	74.8	77.9	81.0	81.6	84.6	85.4	85.6	85.6	85.6	85.6	85.6
IV 900		60.4	65.4	69.3	73.9	75.5	79.4	82.8	83.7	86.8	87.8	88.2	88.2	88.3	88.3	88.3
IV 800		60.4	65.4	69.3	74.1	75.6	79.6	83.4	84.4	88.3	89.9	90.4	90.4	90.6	90.6	90.6
IV 700		60.4	65.4	69.3	74.3	75.8	80.1	84.0	85.1	90.2	92.5	93.0	93.1	93.8	93.8	93.8
IV 600		60.4	65.4	69.3	74.4	76.0	80.4	84.9	86.3	92.3	94.5	95.2	95.7	96.7	96.7	96.9
IV 500		60.4	65.4	69.3	74.8	76.3	81.0	85.8	87.3	93.8	96.2	97.1	97.8	99.5	99.5	100.0
IV 400		60.4	65.4	69.3	74.8	76.3	81.0	85.8	87.3	93.8	96.2	97.1	97.8	99.5	99.5	100.0
IV 300		60.4	65.4	69.3	74.8	76.3	81.0	85.8	87.3	93.8	96.2	97.1	97.8	99.5	99.5	100.0
IV 200		60.4	65.4	69.3	74.8	76.3	81.0	85.8	87.3	93.8	96.2	97.1	97.8	99.5	99.5	100.0
IV 100		60.4	65.4	69.3	74.8	76.3	81.0	85.8	87.3	93.8	96.2	97.1	97.8	99.5	99.5	100.0
IV 0		60.4	65.4	69.3	74.8	76.3	81.0	85.8	87.3	93.8	96.2	97.1	97.8	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 583

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

STATION
54197

STATION NAME
BAF TOLZ GERMANY AAF

YEARS
64-70

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH
1589-1701
HOURS (LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING ≥ 20000	17.9 21.0	18.2 21.7	19.2 23.2	19.5 23.6	19.7 23.8	20.6 24.7	20.8 24.9	20.8 24.9	21.0 25.0	21.2 25.2	21.2 25.2	21.5 25.6	21.5 25.6	21.7 25.8	22.3 26.3	
IV 18000 IV 16000	21.2 21.2	21.9 21.9	23.4 23.4	23.8 23.8	23.9 23.9	24.9 24.9	25.0 25.0	25.0 25.0	25.2 25.2	25.4 25.4	25.4 25.4	25.8 25.8	25.8 25.8	26.0 26.0	26.5 26.5	
IV 14000 IV 12000	21.2 21.2	21.9 21.9	23.4 23.4	23.8 23.8	23.9 23.9	24.9 24.9	25.0 25.0	25.0 25.0	25.2 25.2	25.4 25.4	25.4 25.4	25.8 25.8	25.8 25.8	26.0 26.0	26.5 26.5	
IV 10000 IV 9000	21.7 22.1	22.5 22.8	23.9 24.3	24.3 24.9	24.5 25.0	25.4 26.0	25.6 26.2	25.6 26.2	25.8 26.5	26.0 26.7	26.0 26.7	26.3 27.1	26.3 27.1	26.7 27.4	27.3 28.0	
IV 8000 IV 7000	24.9 28.5	25.6 29.3	27.1 30.8	27.6 31.3	27.8 31.5	28.7 32.4	28.9 32.6	28.9 32.6	29.3 33.0	29.5 33.1	29.5 33.1	29.8 33.5	29.8 33.5	30.2 33.9	30.4 34.4	
IV 6000 IV 5000	30.4 32.2	31.1 33.0	32.6 34.4	33.3 35.2	33.5 35.4	34.8 36.6	35.0 36.8	35.0 36.8	35.4 37.2	35.5 37.4	35.5 37.4	35.9 37.8	35.9 37.8	36.3 38.1	36.8 38.7	
IV 4500 IV 4000	34.6 36.1	35.4 37.0	36.8 38.5	37.9 39.8	38.1 40.0	39.4 41.4	39.6 41.6	39.6 41.6	40.0 42.2	40.1 42.4	40.1 42.4	40.5 42.7	40.5 42.7	40.9 43.1	41.4 43.8	
IV 3500 IV 3000	39.4 44.6	40.3 45.9	41.8 47.9	43.1 49.2	43.3 49.4	44.8 51.0	44.9 51.2	44.9 51.2	45.5 52.1	46.0 52.3	46.0 52.3	46.4 52.7	46.4 52.7	46.8 53.0	47.5 53.8	
IV 2500 IV 2000	49.9 53.2	51.6 55.4	54.3 58.7	55.8 60.8	56.0 61.0	57.6 62.6	57.8 62.8	57.8 62.8	58.7 63.9	58.9 64.1	58.9 64.1	59.3 64.5	59.3 64.5	59.7 64.8	60.4 65.6	
IV 1800 IV 1500	53.6 55.6	56.4 58.4	60.4 62.4	62.6 65.4	62.8 65.7	64.6 67.8	64.8 68.5	64.8 68.5	65.9 70.0	66.1 70.3	66.1 70.3	66.5 70.7	66.5 70.7	66.9 71.1	67.6 71.8	
IV 1200 IV 1000	56.2 56.2	59.1 59.1	63.7 63.7	66.9 67.4	67.4 68.0	70.2 71.6	71.3 72.9	71.3 72.9	73.3 75.7	73.8 76.6	73.8 76.6	74.2 77.2	74.2 77.2	74.6 77.5	75.3 78.3	
IV 900 IV 800	56.2 56.2	59.1 59.1	63.7 63.7	67.4 67.6	68.0 68.7	71.6 73.7	72.9 75.7	72.9 75.7	75.7 78.5	76.2 80.1	76.2 80.1	77.2 80.7	77.2 80.7	77.5 81.0	78.3 81.8	
IV 700 IV 600	56.2 56.2	59.1 59.1	63.7 63.7	67.6 67.8	68.7 68.9	73.7 74.4	75.7 76.4	75.7 76.4	78.5 79.0	80.1 81.2	80.1 81.2	81.2 82.3	81.2 82.3	81.8 82.8	84.7 86.9	
IV 500 IV 400	56.2 56.2	59.3 59.3	63.9 63.9	67.8 67.8	68.9 68.9	74.4 74.0	76.4 77.0	76.4 77.0	82.3 83.6	83.6 85.3	83.6 85.3	85.3 86.6	85.3 86.6	86.2 87.8	89.9 92.9	
IV 300 IV 200	56.2 56.2	59.3 59.3	63.9 63.9	67.8 67.8	68.9 68.9	74.4 74.4	77.3 77.3	77.3 77.3	83.6 85.8	85.8 87.9	85.8 87.9	87.9 89.1	87.9 89.1	89.1 91.9	92.9 96.8	
IV 100 IV 0	56.2 56.2	59.3 59.3	63.9 63.9	67.8 67.8	68.9 68.9	74.4 74.4	77.3 77.3	77.3 77.3	85.8 87.9	87.9 89.1	87.9 89.1	89.1 91.9	89.1 91.9	91.9 94.7	96.8 100.0	

TOTAL NUMBER OF OBSERVATIONS 543

1

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

34197
STATIONBAF TOLZ GERMANY AAF
STATION NAME

63-70

J=C
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1.0-2.100
NO. OF OBS.

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/8	≥ ½	≥ 3/8	≥ ¼	≥ 0
NO CEILING		15.2	17.2	18.0	18.2	18.7	19.2	20.0	20.0	20.8	20.8	21.0	21.0	21.0	21.0	22.2
≥ 20000		15.7	18.7	19.3	19.7	20.3	20.8	21.3	21.5	22.3	22.3	22.5	22.5	22.5	23.5	23.8
IV 18000		16.7	19.2	20.0	20.3	20.8	21.3	22.0	22.0	22.8	22.8	23.0	23.0	23.0	24.1	24.3
IV 16000		16.7	19.2	20.0	20.3	20.8	21.3	22.0	22.0	22.8	22.8	23.0	23.0	23.0	24.1	24.3
IV 14000		16.7	19.2	20.0	20.3	20.8	21.3	22.0	22.0	22.8	22.8	23.0	23.0	23.0	24.1	24.3
IV 12000		16.7	19.2	20.0	20.3	20.8	21.3	22.0	22.0	22.8	22.8	23.0	23.0	23.0	24.1	24.3
IV 10000		16.7	19.2	20.0	20.3	20.8	21.3	22.0	22.0	23.0	23.0	23.3	23.3	23.3	24.3	24.6
IV 9000		17.2	19.7	20.5	20.8	21.3	21.8	22.5	22.5	23.5	23.5	23.8	23.8	23.8	24.8	25.1
IV 8000		19.2	21.8	22.5	22.8	23.3	23.8	24.6	24.6	25.6	25.6	25.8	25.8	25.8	26.8	27.1
IV 7000		22.3	24.8	26.1	26.3	26.8	27.2	28.1	28.1	29.1	29.1	29.4	29.4	29.4	30.4	30.6
IV 6000		23.3	25.8	27.1	27.3	27.8	28.2	29.6	29.6	30.6	30.6	30.9	30.9	30.9	31.9	32.2
IV 5000		25.6	28.1	29.4	29.6	30.1	31.1	31.9	31.9	32.9	32.9	33.2	33.2	33.2	34.2	34.4
IV 4500		28.4	30.9	32.2	32.4	32.9	33.9	34.7	34.7	35.9	35.9	36.2	36.2	36.2	37.2	37.5
IV 4000		29.6	32.2	33.4	33.7	34.2	35.2	35.9	35.9	37.2	37.2	37.5	37.5	37.5	38.5	38.7
IV 3500		34.7	37.5	38.7	39.0	39.5	40.5	41.3	41.3	42.5	42.5	42.8	42.8	42.8	43.8	44.1
IV 3000		37.0	39.7	42.5	42.8	43.3	44.8	45.6	45.6	46.8	46.8	47.1	47.1	47.1	48.1	48.4
IV 2500		42.8	46.1	49.6	50.9	51.9	53.4	54.2	54.2	55.4	55.4	55.9	55.9	55.9	57.0	57.2
IV 2000		44.8	48.6	53.2	55.2	56.5	58.0	58.7	58.7	60.0	60.5	60.8	60.8	60.8	61.8	62.0
IV 1800		45.8	49.9	54.7	56.7	58.0	60.5	61.5	61.5	62.8	63.3	63.5	63.5	63.5	64.6	64.8
IV 1500		47.8	52.9	58.0	60.5	61.8	65.1	67.3	67.8	69.1	70.1	70.4	70.4	70.4	71.4	71.6
IV 1200		47.8	53.2	58.2	60.8	62.0	66.1	69.1	69.6	70.9	71.9	72.2	72.2	72.2	73.2	73.4
IV 1000		47.8	53.2	58.2	60.8	62.0	67.1	70.4	70.9	72.2	73.2	73.4	73.4	73.4	74.4	74.7
IV 900		47.8	53.2	58.2	60.8	62.0	67.6	71.1	71.6	73.2	74.2	74.4	74.4	74.4	75.4	75.7
IV 800		47.8	53.2	58.2	60.8	62.0	69.6	73.7	74.2	76.5	78.0	78.2	78.2	78.2	79.2	79.5
IV 700		47.8	53.2	58.2	60.8	62.0	69.6	74.4	74.9	77.5	79.0	80.0	80.0	80.5	81.5	81.8
IV 600		47.8	53.2	58.2	60.8	64.1	70.4	75.7	76.5	79.0	80.8	81.8	82.5	82.5	83.5	83.8
IV 500		47.8	53.2	58.2	60.8	64.1	70.4	75.7	76.7	79.7	82.3	84.1	85.6	85.6	86.6	86.8
IV 400		47.8	53.2	58.2	60.8	64.1	70.4	75.9	77.0	80.0	82.5	84.3	86.1	86.3	87.3	87.6
IV 300		47.8	53.2	58.2	60.8	64.1	70.4	75.9	77.5	80.8	84.6	86.6	88.6	89.1	90.6	91.6
IV 200		47.8	53.2	58.2	60.8	64.1	70.4	76.5	78.0	81.5	86.1	88.1	90.6	91.6	93.9	95.9
IV 100		47.8	53.2	58.2	60.8	64.1	70.4	76.5	78.0	81.5	86.1	88.1	90.6	91.9	94.7	100.0
IV 0		47.8	53.2	58.2	60.8	64.1	70.4	76.5	78.0	81.5	86.1	88.1	90.6	91.9	94.7	100.0

TOTAL NUMBER OF OBSERVATIONS 395

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

34197 BAD TOLZ GERMANY AAF

64-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	19.0	2.9	3.6	2.5	2.3	1.5	1.7	1.4	4.4	3.6	57.3	6.9	2544
FEB		21.7	2.9	.8	6.3	2.2	1.7	1.9	1.5	5.0	4.7	51.5	6.6	2427
MAR		11.4	3.2	1.4	2.5	16.7	1.6	2.2	1.7	4.9	4.4	49.8	6.9	2972
APR		15.5	4.4	2.6	3.8	4.1	3.0	2.7	2.5	5.8	6.3	49.4	6.8	3041
MAY		14.4	3.9	2.3	3.9	5.6	4.1	3.1	3.4	6.3	6.8	46.4	6.8	2805
JUN		13.8	5.2	1.7	5.4	5.6	3.9	2.7	3.5	8.3	7.4	42.7	6.7	2615
JUL		10.3	8.6	2.5	4.3	4.3	3.3	2.7	1.8	10.4	7.7	44.2	6.8	2508
AUG		21.3	5.2	1.7	3.8	3.7	4.5	3.9	2.4	7.4	9.1	37.2	6.1	2709
SEP		19.2	6.8	3.2	5.7	5.3	3.2	4.2	3.2	7.7	7.3	34.3	5.8	2728
OCT		36.8	5.6	2.1	8.8	3.7	2.2	2.5	2.3	4.2	4.8	27.0	4.4	2733
NOV		9.5	4.2	1.1	2.3	2.7	1.9	3.1	1.9	5.7	7.1	60.6	7.8	2847
DEC		10.1	3.0	1.1	2.9	2.3	1.4	2.2	1.5	5.7	5.7	63.0	7.9	2641
TOTALS		16.9	4.7	2.0	4.4	4.9	2.7	2.7	2.3	6.3	6.3	47.0	6.6	32568

SKY COVER

65-70

14.

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	00-02											100.0	10.0	2
	03-05	12.4	3.6	3.7	4.0	4.0	1.8	3.1	1.8	4.4	3.6	58.7	7.3	225
	06-08	9.2	4.5	2.5	3.1	2.9	1.3	2.9	2.5	4.9	3.4	62.9	7.7	447
	09-11	9.7	3.1	3.5	3.1	2.1	1.9	1.4	2.1	7.9	8.1	57.9	7.8	516
	12-14	11.4	3.4	1.2	3.6	3.8	2.8	1.8	2.4	10.4	4.4	54.6	7.4	498
	15-17	11.2	3.5	1.4	4.3	3.5	2.2	1.8	1.4	2.9	5.5	61.4	7.6	492
	18-20	14.5	5.0	1.7	2.2	2.0	1.7	2.5	.6	3.6	3.6	62.6	7.4	358
	21-23	83.3		16.7									.3	6
TOTALS		19.0	2.9	3.6	2.5	2.3	1.5	1.7	1.4	4.4	3.6	57.3	6.9	2544

1

SKY COVER

25

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

10

1

34197	BAD TOLZ GERMANY AAF
STATION	STATION NAME

65-70

BY

MONTH

PERC

6

1

SKY COVER

ju'

STATION

STATION NAME

PERIOD

MONTA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUN	00-02	33.3			11.1	11.1				11.1		33.3	5.0	9
	03-05	10.7	7.3	3.4	7.3	6.3	3.4	1.5	3.9	5.8	2.4	48.1	6.6	206
	06-08	16.1	6.9	2.7	5.0	4.8	2.3	1.9	2.9	7.1	6.7	43.6	6.4	321
	09-11	7.9	9.2	2.7	7.9	5.6	2.5	2.9	2.5	6.9	6.2	45.8	6.8	520
	12-14	3.9	8.2	2.0	4.5	5.5	5.7	6.3	2.9	8.2	11.9	40.9	7.2	511
	15-17	4.0	5.6	1.8	4.0	6.4	5.2	4.6	2.2	9.6	11.6	45.2	7.5	502
	18-20	6.9	4.5	.9	3.3	4.6	2.7	4.5	4.5	8.4	11.6	48.1	7.6	335
	21-23	27.3					9.1		9.1	9.1	9.1	36.4	6.3	11
TOTALS		13.8	5.2	1.7	3.4	5.6	3.9	2.7	3.3	6.3	7.3	42.7	6.7	2615

SKY COVER

124

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02													
	03-05	20.0	8.6	5.9	5.9	4.5	3.6	2.7	.9	4.1	5.5	38.2	5.6	220
	06-08	19.2	7.5	3.8	3.0	4.8	2.8	2.0	2.4	3.4	7.1	44.2	6.2	505
	09-11	13.7	9.7	1.2	5.6	5.4	2.4	3.6	1.6	7.4	8.9	40.6	6.4	503
	12-14	5.6	10.5	2.1	5.6	6.4	5.4	3.1	3.3	10.3	9.7	38.0	6.8	484
	15-17	4.2	12.3	2.0	5.0	4.2	5.7	3.7	2.2	11.0	12.1	37.7	6.9	456
	18-20	9.2	11.6	2.7	5.1	4.8	3.0	3.6	2.1	11.9	10.7	35.4	6.5	336
	21-23									25.0		75.0	9.5	4
TOTALS		10.2	8.6	2.5	4.3	4.3	2.3	2.7	1.8	10.4	7.7	44.2	6.8	2508

1

34197 BAD TOLZ GERMANY AAF

65-70

168

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9	10		
AUG.	00-02	100.0											.0	1
	03-05	11.1	5.8	2.1	6.6	3.7	2.1	2.9	4.1	10.7	6.2	44.9	6.9	243
	06-08	11.0	7.7	2.2	5.1	4.9	3.6	3.0	2.1	6.2	9.9	44.4	6.8	534
	09-11	9.8	9.8	2.3	5.1	3.0	3.4	3.2	3.4	9.0	10.3	40.9	6.8	533
	12-14	5.4	6.2	3.5	5.6	5.8	4.4	4.2	2.7	10.4	10.8	40.9	7.1	518
	15-17	5.7	4.7	2.0	5.1	6.9	4.3	5.9	3.3	8.1	16.1	37.9	7.2	491
	18-20	7.2	7.2	1.3	3.2	5.1	4.5	5.3	3.2	6.3	12.8	41.7	7.2	374
	21-23	20.0					13.3	6.7		6.7	6.7	46.7	6.9	15
TOTALS		21.3	5.2	1.7	3.8	3.7	4.5	3.9	2.4	7.4	9.1	37.2	6.1	2709

SKY COVER

64-70

233

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	41.9			6.5	3.2		6.5	3.2	12.9	3.2	22.6	4.5	31
	03-05	19.9	3.4	3.4	7.6	5.5	4.2	6.4	3.0	4.7	4.7	37.3	5.9	236
	06-08	13.6	7.1	1.8	7.3	4.9	3.6	3.4	1.2	6.5	12.3	38.3	6.4	506
	09-11	14.6	7.2	2.8	7.6	3.8	4.0	2.1	4.0	7.6	8.1	38.3	6.3	528
	12-14	8.1	10.3	2.4	4.9	7.1	3.4	5.9	3.6	10.8	9.9	33.7	6.5	507
	15-17	8.4	10.1	2.1	5.2	6.7	6.3	3.2	4.1	10.1	10.7	35.2	6.5	466
	18-20	13.4	7.0	2.3	4.9	7.0	5.9	4.9	2.1	5.7	8.2	38.7	6.3	388
	21-23	33.3	9.1	10.6	1.5	4.5		1.5	4.5	3.0	1.5	30.3	4.3	66
TOTALS		19.2	6.8	3.2	5.7	5.3	3.2	4.2	3.2	7.7	7.3	34.3	5.8	2728

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34197 BAD TOLZ GERMANY AAF

63-70

CT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	100.0											.0	2
	03-05	33.8	4.4	2.5	3.8	5.1	2.5	3.4	2.1	5.1	1.7	35.4	5.0	237
	06-08	18.2	7.5	2.2	6.4	3.7	2.2	2.4	2.7	5.8	8.1	39.7	6.1	534
	09-11	18.4	9.5	3.7	4.3	4.3	3.2	3.2	3.7	6.3	7.3	36.1	5.9	537
	12-14	18.1	9.5	3.2	5.9	6.5	3.4	1.9	3.4	5.7	7.4	35.0	5.7	526
	15-17	18.5	8.9	3.2	5.5	2.2	2.4	4.7	3.9	5.5	8.9	36.3	6.0	507
	18-20	27.5	4.9	1.6	4.4	7.5	4.2	4.4	1.8	4.9	4.9	33.8	5.3	385
	21-23	60.0			40.0								1.2	5
TOTALS		26.8	5.6	2.1	8.8	3.7	2.2	2.5	2.3	4.2	4.8	27.0	4.4	2733

SKY COVER

65-70

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
NDV	00-02													
	03-05	20.7	1.1	.8	1.9	1.5		2.6	1.1	6.4	3.0	60.9	7.3	266
	06-08	9.4	5.1	1.1	2.1	3.4	1.7	2.6	.7	4.5	7.7	61.6	7.8	534
	09-11	6.6	4.9	.6	2.3	1.1	1.1	3.8	2.6	5.3	10.9	61.0	8.1	533
	12-14	3.7	5.8	1.9	2.1	2.2	2.2	2.8	3.0	5.8	9.0	61.4	8.2	534
	15-17	4.9	5.1	.2	2.4	3.4	2.6	2.6	2.4	5.6	8.4	62.4	8.2	534
	18-20	11.4	3.1	2.2	3.1	4.7	3.8	4.0	1.8	6.5	3.4	55.8	7.3	446
	21-23													
TOTALS		9.5	4.2	1.1	2.3	2.7	1.9	3.1	1.9	5.7	7.1	60.6	7.8	2847

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σX). The number of observations used in the computations for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1953; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:
 - a. Dry-bulb temperature
 - b. Wet-bulb temperature
 - c. Dew-point temperature
- 5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

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64-75

STATION	STATION NAME
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YEARS

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USAFETAC FORM 0.26-5 (OLA)

34197	BAD TOLZ GERMANY AAF
STATION	STATION NAME

04-70

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YEARS

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YEARS

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HOURS L. S. T.

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USAFETAC FORM 0-26-5 (OLA)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

MONTH

PAGE 1

HOURS 11.5.7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL			TOTAL																												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point																																							
66/ 65																		1	1																																									
64/ 63																		4	4																																									
62/ 61																		1	1																																									
60/ 59																		2	2																																									
58/ 57																		11	11																																									
56/ 55																		20	20																																									
54/ 53																		26	26																																									
52/ 51																		26	26																																									
50/ 49																		29	29																																									
48/ 47																		36	36																																									
46/ 45																		66	66																																									
44/ 43																		123	123																																									
42/ 41																		118	118																																									
40/ 39																		176	176																																									
38/ 37																		173	173																																									
36/ 35																		225	225																																									
34/ 33																		231	231																																									
32/ 31																		195	195																																									
30/ 29																		179	179																																									
28/ 27																		160	160																																									
26/ 25																		135	135																																									
24/ 23																		122	122																																									
22/ 21																		95	95																																									
20/ 19																		92	92																																									
18/ 17																		57	57																																									
16/ 15																		33	33																																									
14/ 13																		18	18																																									
12/ 11																		17	17																																									
10/ 9																		20	20																																									
8/ 7																		10	11																																									
6/ 5																		8	10																																									
4/ 3																		6	8																																									
2/ 1																		5	5																																									
0/ 0																		5	5																																									
Element (X)	Σ X ²					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X					Σ X														
Rel. Hum.																																																												
Dry Bulb																																																												
Wet Bulb																																																												
Dew Point																																																												

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

YEARS

MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 5	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	DB WB	Dry Bulb	Wet Bulb	Dew Point		
72/ 73		.0																1	1				
74/ 75																							
76/ 77																							
78/ 79																							
80/ 81																							
82/ 83																							
84/ 85																							
86/ 87																							
88/ 89																							
90/ 91																							
92/ 93																							
94/ 95																							
96/ 97																							
98/ 99																							
100/ 101																							
TOTAL	22.5	43.9	20.2	7.2	3.1	1.5	.9	.5	.2	.0								2424	2431	434	426		

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0-26-5 (OLA)

USAFETAC

34197 BAF TOLZ GERMANY AAF
STATION STATION NAME

65-70

PAGE 1

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PSYCHROMETRIC SUMMARY

65-70

STATION

STATION NAME

YEARS

PAGE 2

MONTH

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FORM
FORM A.A.

0.26-5 (OL A)

FORM 4-74

USAFETAC

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USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70

YEARS

MONTH

PAGE 1

LL
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29	30	>31	DB	WB	Dr.	Bulb	Wet Bulb	Dew Point												
82/ 81																				1	1																
80/ 79																				1	1																
78/ 77																				6	6																
76/ 75																				11	11																
74/ 73																				9	9																
72/ 71																				7	7																
70/ 69																				21	21																
68/ 67																				23	23																
66/ 65																				39	39																
64/ 63																				63	63																
62/ 61																				86	86																
60/ 59																				98	98																
58/ 57																				114	114																
56/ 55																				135	135																
54/ 53																				103	103																
52/ 51																				135	135																
50/ 49																				197	197																
48/ 47																				208	208																
46/ 45																				213	213																
44/ 43																				237	237																
42/ 41																				207	207																
40/ 39																				210	210																
38/ 37																				179	179																
36/ 35																				160	160																
34/ 33																				221	221																
32/ 31																				165	165																
30/ 29																				82	82																
28/ 27																				56	56																
26/ 25																				19	19																
24/ 23																				7	7																
22/ 21																				7	7																
20/ 19																				1	1																
18/ 17																				4	4																
16/ 15																																					
Element (X)	Σ X ²					Σ X					Σ					Σ					Σ					Σ					Σ						
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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PSYCHROMETRIC SUMMARY

65-70

YEARS

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PAGE 2

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HOURS, L S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	DB W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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PSYCHROMETRIC SUMMARY

65-75

YEARS

MJNTH

Page 2

HOURS (L, S, T)

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FORM 0-26-5 (Q1-A)

USAFETAC

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70

Page 1

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

54-70

YEARS

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BAD TOLZ GERMANY AAF
STATION NAME

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	31	Dry Bulb	Wet Bulb	Dew Point	Wet Bulb	Dew Point														
78/ 77										.1	.2	.3							4	4																	
76/ 75									.2	.3	.4	.5							7	7																	
74/ 73								.1	.2	.3	.4	.5							1	1																	
72/ 71						.1	.2	.3	.4	.5	.6	.7							3	3																	
70/ 69					.2	.3	.4	.5	.6	.7	.8	.9							4	4																	
68/ 67				.1	.2	.3	.4	.5	.6	.7	.8	.9							5	5																	
66/ 65			.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0							11	11																	
64/ 63			.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3							10	10																	
62/ 61		.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1							12	12			1														
60/ 59		.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3							13	13			4														
58/ 57	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2							15	15			41														
56/ 55	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4							18	18			42														
54/ 53	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6							21	21			144														
52/ 51	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6							19	19			23														
50/ 49	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1							22	22			3														
48/ 47	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3							16	16			24														
46/ 45	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6							20	20			25														
44/ 43	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3							17	17			21														
42/ 41	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5							16	16			25														
40/ 39	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8							17	17			27														
38/ 37	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8							16	16			24														
36/ 35	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1							10	10			17														
34/ 33	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3							7	7			22														
32/ 31	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0							4	4			12														
30/ 29	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5							2	2			8														
28/ 27	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4							2	2			3														
26/ 25	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2							6	6			17														
24/ 23	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1							1	1			14														
22/ 21																							2														
20/ 19																							2														
TOTAL	15.2	33.1	19.7	10.0	7.5	6.1	3.8	2.5	1.1	.1	.0								2933	2933		2933	2933														
Element (X)	Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx														
Rel. Hum.	129424		229797		76,317		024		2935		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total														
Dry Bulb	7566		146185		49,810		208		2935				26.1		39.0		A.3						744														
Wet Bulb	6378516		134890		46,0		7,812		2935				34,0										744														
Dew Point	5470712		124799		42.5		7.480		2935				22.0										744														

7

YEARS

64-7c

STATION

STATION NAME

1000

0. 1 2 3

47185 $\frac{1}{5}$

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

64-70

YEARS

MONTAN

PAGE 2

NO. 25 (L. S. T.)

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AFETAC FORM 0-26-5 (OL A)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

64-70

YEARS

PAGE 1

NO. OF STATIONS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29	30	31	D.B. WB	Dry Bulb	Wet Bulb	Dew Point														
54/ 53				.0	.0														2	2																
52/ 51			.1																3	3																
50/ 49			.1	.1	.1														6	6																
48/ 47			.1	.3	.2	.1													21	21																
46/ 45			.5	.2	.5	.0													33	33																
44/ 43		.3	1.0	.4	.1														55	55																
42/ 41	.1	.9	1.8	.4	.1														93	93																
40/ 39	.2	2.4	2.1	.7	.1														159	159																
38/ 37	.3	2.6	2.3	.2															156	156																
36/ 35	.3	3.4	2.5	.3															187	187																
34/ 33	2.1	5.0	1.7	.1															257	257																
32/ 31	3.1	5.9	.9																284	284																
30/ 29	3.6	5.4	.6																274	274																
28/ 27	3.9	5.1	.4																270	270																
26/ 25	3.3	2.7	.1																172	172																
24/ 23	4.1	2.2	.1																185	185																
22/ 21	3.8	2.3	.2																183	183																
20/ 19	2.4	1.8	.1																123	123																
18/ 17	2.8	1.4	.0																121	121																
16/ 15	2.0	.6																	73	73																
14/ 13	1.6	.5																	60	60																
12/ 11	.9	.5																	41	42																
10/ 9	1.1	.3																	42	42																
8/ 7	.8	.1																	27	27																
6/ 5	.7	.1																	24	25																
4/ 3	.2	.1																	8	8																
2/ 1	.4																		11	12																
0/ -1	.3																		8	9																
-2/ -3	.1																		4	4																
-4/ -5	.1																		4	4																
-6/ -7	.1																		2	2																
-8/ -9	.0																		1	1																
-10/ -11																																				
-12/ -13																																				
Element (X)	Σ x ²			Σ x			Σ			Σ x			No. Obs.			Mean No. of Hours with Temperature						Total														
Rel. Hum.																≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total														
Dry Bulb																																				
Wet Bulb																																				
Dew P. Int																																				

FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

34197
STATIC

BAD TOLZ GERMANY AAF
STATION NAME

64-72

PSYCHROMETRIC SUMMARY

Page 2

HOURS 1 5 7

[illegible]

1

YEARS²

69

MONTH

HOURS (L, S, T) 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21	22	23	24	25 - 26	27 - 28	29	30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
36 / 35		.0																				2	2												
34 / 33																																			
TOTAL		.0																				2													

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

36197 BAD TOLZ GERMANY AAF
STATION STATION NAME

66-70
YEARS

PAGE 1

MONTH
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29	30	>31	DB	WB	Dry Bulb	Wet Bulb	Dew Point													
46/ 43		.4																		1		1															
44/ 43		.4																		2		2															
42/ 41			.4																	1		1															
40/ 39			.4	1.8																1		5															
38/ 37	1.3	1.3	1.8																	1		1															
36/ 35		.9	8.0																	2		2															
34/ 33	4.9	3.6		.4																2		2															
32/ 31	4.4	4.0	.4																	2		2															
30/ 29	4.0	4.9																		2		2															
28/ 27	5.3	4.9																		23		23															
26/ 25	4.9	.9																		13		13															
24/ 23	3.6	1.3																		11		11															
22/ 21	3.6	.4																		9		9															
20/ 19	3.6	.4																		9		3															
18/ 17	6.7	.9																		17		17															
16/ 15	4.4	1.8																		14		14															
14/ 13	2.2																			5		5															
12/ 11	.9	.9																		4		4															
10/ 9	.9	.4																		3		3															
8/ 7	.9	.9																		4		4															
6/ 5	.4	.4																		2		2															
4/ 3	1.8																			4		4															
2/ 1	.4																			1		1															
0/ -1	.4																			1		2															
-2/ -3	.4																			1		1															
-4/ -5	1.3																			3		3															
-6/ -7																																					
-8/ -9	.4																			1		1															
-12/ -13	.4																			1		1															
-16/ -17																																					
TOTAL	58.2	36.4	4.9	.4																																	
																				225																	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 STATION 8AD TULZ GERMANY AAF
STATION NAME

65-71

YEARS

MONTH

DATE 1

HOURS 11.5.71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	+31	DB WB	Dry Bulb	Wet Bulb	Dew Point		
46/ 45			.2	.5															3	3				
44/ 43		.5		.5															4	4				
42/ 41		.5	.3																4	4				
40/ 39		.9	1.1																9	9				
38/ 37	.5	2.1	1.6																18	18	11	7		
36/ 35	.7	5.0	.9																20	29	23			
34/ 33	4.3	6.4																	47	47	54	54		
32/ 31	4.3	4.3	1.4																44	44	4	59		
30/ 29	2.3	5.0																	32	32	34	4		
28/ 27	6.4	2.5																	39	39	47	35		
26/ 25	3.9	1.8																	25	25	23	3		
24/ 23	3.2	1.8																	22	22	24	34		
22/ 21	3.2	.5																	16	16	17	3		
20/ 19	5.0	2.3																	32	33	21	73		
18/ 17	4.6	1.6																	27	28	24	2		
16/ 15	3.6	.5																	18	18	23	26		
14/ 13	2.1	.7																	12	12	7	72		
12/ 11	1.8	1.4																	14	15	12	13		
10/ 9	1.1	.9																	6	9	13	14		
8/ 7	.7	.2																	4	4	4	5		
6/ 5	1.4	.5																	8	8	8	7		
4/ 3	.5	.7																	5	5	5	4		
2/ 1	.2																		1	1	2	1		
0/ -1	.9																		4	5	4	7		
-2/ -3	.2																		1	3	1	2		
-4/ -5	.7																		3	4	3	2		
-6/ -7	1.1																		5	5	2	2		
-8/ -9	.2																		1	1	1	2		
-10/-11	.7																		3	3	3	5		
-12/-13																				1				
-14/-15																						2		
-16/-17																						1		
TOTAL	53.5	9.9	5.7	.9															439	447	439	439		
Element (X)	Σx²		Σx		X		x		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	3426523		38645		88.0		8,890		439		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93							
Dry Bulb	317992		10824		24.2		11,195		447		4.6	69.3					93							
Wet Bulb	296639		10469		23.8		10,357		439		.6	72.2					93							
Dew Point	236074		9622		21.5		11,089		439		.0	83.0					93							

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAF ETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70
YEARS

PAGE 1

MON H
3 - 1
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPR. (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13	14	15-16	17-18	19-20	21-22	23	24	25	26	27-28	29-30	≥31	DB	WB	Dry Bulb	Wet Bulb	Dew Point													
50/ 49				.2	.2																																	
48/				.4																																		
46/ 45			.2	.4																																		
44/ 43			.2	1.4																																		
42/ 41			1.2	.6																																		
40/ 39		1.0	1.0	.8																																		
38/ 37		2.2	3.2	.2																																		
36/ 35	.8	5.5	2.0	.2																																		
34/ 33	4.7	6.5	3.7	.2																																		
32/ 31	2.7	3.1	.8																																			
30/ 29	3.5	5.1	.4																																			
28/ 27	2.9	3.7	.4																																			
26/ 25	2.9	2.7	.2																																			
24/ 23	3.3	3.3	.4																																			
22/ 21	2.4	2.5																																				
20/ 19	2.7	1.6																																				
18/ 17	3.1	1.0	.2																																			
16/ 15	2.0		.2																																			
14/ 13	1.6	1.0																																				
12/ 11	.6	1.2																																				
10/ 9	.6	1.4																																				
8/ 7	.2	.8																																				
6/ 5	.6	1.0																																				
4/ 3	.6	.4																																				
2/ 1	.4																																					
0/ 01	.2																																					
2/ 03	.8	.2																																				
4/ 05																																						
6/ 07	.2																																					
8/ 09	.4																																					
10/ 11																																						
12/ 13																																						
14/ 15																																						
Element (X)	Σ X ²			Σ X			Σ			Σ X			No. Obs.			Mean No. of Hours with Temperature																						
Rel. Hum.																≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																	
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

USAFETAC 0-26-5 (OLA) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 1 JUL 64

1

65-75

YEARS

MONTH

NOJRS L S T

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (01-A)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PAGE 1

12 - 4
HOURS (L S T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL									
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	31	DB W.B.	Dry Bulb	Wet Bulb	Low Point										
56/ 55						.2	.2												2	2												
52/ 51						.8													5	5												
50/ 49				.4	1.0														7	7												
48/ 47			.6	.6	1.4	.2													14	14												
46/ 45			.6	1.6	.6														14	14												
44/ 43			1.0	1.8															14	14												
42/ 41			2.6	1.8	.2														23	23	17											
40/ 39		2.2	3.4	1.6	.2														37	37	23	4										
38/ 37		3.4	3.6	1.0															40	40	4	2										
36/ 35	1.0	5.6	4.8	.6															67	67	42	20										
34/ 33	2.6	7.2	1.6	.4															59	59	74	37										
32/ 31	2.6	3.8	2.2	.2															44	44	55	21										
30/ 29	2.0	3.8	1.0																34	34	47	63										
28/ 27	1.4	2.4	1.6																27	27	37	49										
26/ 25	1.4	3.6	.2																26	26	23	36										
24/ 23	1.0	1.8	.8																18	18	3	36										
22/ 21	1.6	.6																	11	11	17	24										
20/ 19	1.2	2.0	.2																17	17	12	20										
18/ 17	.2	1.4																	8	8	17	27										
16/ 15	.6	.8	.2																8	8	11	11										
14/ 13	.8	.8																	8	9	0	12										
12/ 11	.6	.4																	5	5	7	7										
10/ 9	1.4	.4																	9	10	2	1										
8/ 7	.4	.8																	6	6	4	4										
6/ 5	.2	.2																	2	2	4	1										
4/ 3																					1	1										
2/ 1																						1										
0/ 0																						2										
-2/ -3																						4										
-4/ -5																						1										
TOTAL	19.14	1.42	4.5	10.0	3.6	1.2	.2												499	500	450	497										
Element (X)	Σ X ²			Σ X			Σ			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.	3069399			38649			77.613,450			498			≤ 0 F			≤ 32 F			≤ 67 F			≤ 73 F			≤ 80 F			≤ 93 F			Total	
Dry Bulb	558983			16027			32.19,523			500						41.9												93				
Wet Bulb	473287			14805			29.78,167			498						52.5												93				
Dew Point	360815			12709			25.58,567			498			1.3			75.6												93				

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70

PAGE 1 1 - 17
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	DB WB	Dry Bulb	Wet Bulb	Dew Point														
56/ 55						.2												1	1																
54/ 53						.4												2	2																
52/ 51					.6													3	3																
50/ 49					.8													4	4																
48/ 47			.2	.4	1.0													5	5																
46/ 45			1.0	.6	.2													9	9																
44/ 43			1.2	2.0	.4													18	18																
42/ 41		.2	2.5	1.6	.2													22	22	13															
40/ 39		2.7	2.7	1.2														32	32	15															
38/ 37		3.1	4.3	.2														37	27	4															
36/ 35	1.0	7.8	3.5	.2	.2													62	62	5															
34/ 33	3.3	7.4	.8															36	56	21	44														
32/ 31	2.0	3.1	1.0	.2														31	31	54															
30/ 29	2.7	3.7	1.4															38	29	37	6														
28/ 27	1.8	3.1	1.4															31	21	32	42														
26/ 25	1.4	4.3	.2															30	30	35	23														
24/ 23	1.2	3.7																24	24	31	3														
22/ 21	1.8	.8	.2															14	14	27	25														
20/ 19	1.2	1.6																14	14	11	24														
18/ 17	1.4	1.0																12	12	14	22														
16/ 15	.6	1.2																9	10	1	15														
14/ 13	1.0	.4																7	7		12														
12/ 11	.4	.6																6	8	5															
10/ 9	1.4	.8																11	12	9	17														
8/ 7	.2																	1	1	4															
6/ 5	.2	.4																3	3	2															
4/ 3	.4																	2	2	3	4														
2/ 1	.2																	1	1		4														
0/ 51																					1														
42/ 43																					2														
44/ 45																					1														
TOTAL	22.5	46.3	20.5	6.6	3.5	.6													488	492		488													
Element (%)	Σx²		Σx		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.	3234123		39261		80.2		12.448		488		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total												
Dry Bulb	518061		15261		31.0		9.540		492				15.0										93												
Wet Bulb	446968		14218		29.1		8.197		488				53.4										93												
Dew Point	352014		12450		25.5		8.403		488				.8		76.6								93												

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

66-75

YEARS

MONTH

PAGE 1 10-23
HOURS (L. S. T.)

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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USAFETAC

PSYCHROMETRIC SUMMARY

67-68

YEARS

992472

PAGE 1

12. 23
NO. 185

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 4-75

USAFETAC

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

67

YEARS

MAJIN

PAGE 1

- 2 -
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FROM

USAFETAC

1

YEARS

65-70

PAGE 1

31-15
HOURS IL S. T. 1

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70
YEARS

PAGE 1 MONTH
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB. W.B.	Dry Bulb	Wet Bulb	Dew Point																				
52/ 51			.2	.5														3	3																						
50/ 49						.2												1	1																						
48/ 47																																									
46/ 45			.2		.2													2	2	2																					
44/ 43		.7	.5	1.9	.2													14	14	2																					
42/ 41		1.9	1.4	1.4														20	20	2	2																				
40/ 39		3.5	2.1	.2														25	25	12																					
38/ 37		1.6	.9															11	11	3	1																				
36/ 35	1.2	5.2	3.0															40	40	24	25																				
34/ 33	3.2	7.3	2.1	.5														56	56	6	26																				
32/ 31	2.3	4.0	1.2	.2														33	33	33	30																				
30/ 29	4.0	3.7	1.2															38	38	52	41																				
28/ 27	3.7	3.0	.2															30	30	32	4																				
26/ 25	1.9	2.3																18	18	23	26																				
24/ 23	4.2	1.2																23	23	28	26																				
22/ 21	3.3	3.3																28	28	24	33																				
20/ 19	2.8	1.4																18	18	23	27																				
18/ 17	2.8	.7																15	15	15	25																				
16/ 15	1.6	.5																9	9	9	2																				
14/ 13	.5	.9																6	6	4	11																				
12/ 11	.5	.9																6	6	7	4																				
10/ 9	1.6	.5																9	9	11	5																				
8/ 7	1.4	.2																7	7	5	3																				
6/ 5	.2	.7																4	6	4	0																				
4/ 3	.7	.2																4	5	5	4																				
2/ 1	.5																	2	2	2	2																				
0/ 01	.9																	4	4	4	7																				
-2/ -3		.2																1	1	1	3																				
-4/ -5																					4																				
-10/ -11																					1																				
TOTAL	37.5	44.0	13.1	4.7	.5	.2												427	427	427	427																				
Element (X)	Σ x ²			Σ x			Σ			Σ x			No. Obs.			Mean No. of Hours with Temperature																									
Rel. Hum.	3141376			36324			85,110,981			427						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				Total																
Dry Bulb	386471			12113			28,210,258			430						1.0	50.4								84																
Wet Bulb	348243			11537			27.0 9,260			427						1.0	56.3								24																
Dew Point	289514			10336			24.2 9,607			427						3.0	70.8								84																

USAF ETAC FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

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65-70

MORTALITY

22-1110

HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

WFO

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

DATE 1

12. = 14
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (°F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25	26	27-28	29-30	+31	DB WB	Dry Bulb	Wet Bulb	Dew Point	
66/ 65										.6	.2									1	1			
64/ 63																				3	3			
60/ 59																				1	1			
58/ 57								.6	.2											4	4			
56/ 55						.4	.6	1.3												9	9			
54/ 53					.4	1.3	.4	.4												12	12			
52/ 51						.4	.6													5	5			
50/ 49				1.3	1.1	.4														13	13			
48/ 47			.9	.9																3	5	4		
46/ 45		.6	2.2	2.4	.9	.2	.2													30	30	12		
44/ 43		2.8	1.7	2.4	.4	.2														35	35	31		
42/ 41		2.4	1.5	1.1	.2	.2														25	25	41	4	
40/ 39	.2	1.3	3.2	1.9	.4															33	33	34	15	
38/ 37	.9	3.2	2.6	1.1	.2															37	37	35	32	
36/ 35	.6	4.5	3.7	1.1																46	46	46	35	
34/ 33	.6	5.6	1.5	.4																38	38	45	42	
32/ 31	1.7	3.9	2.8	.2																47	47	52	71	
30/ 29	.9	5.2	1.9	.4																30	30	31	56	
28/ 27	1.1	1.9	2.4																	25	25	34	34	
26/ 25	1.3	3.7	1.3																	29	29	37	23	
24/ 23	.4	1.7	.9																	14	14	29	25	
22/ 21	.4	1.5																		9	9	17	13	
20/ 19	.9	1.5	.2																	12	12	14	36	
18/ 17	.4	.2																		3	3	6	24	
16/ 15																						1	15	
14/ 13																							12	
12/ 11																							4	
10/ 9																							4	
8/ 7																							1	
6/ 5																							1	
TOTAL	9.5	38.2	26.8	13.2	4.1	3.7	2.6	.9	.6	.2										462	462	462	462	
Element (X)	ΣX²		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	2588030		33762		73.116		185		462		≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	655854		16884		36.5		3,177		462				29.5										24	
Wet Bulb	531020		15308		33.1		7,185		462				38.7										54	
Dew Point	387427		12929		28.0		7,454		462				59.5										54	

PSYCHROMETRIC SUMMARY

65-70

YEARS

MO 4TH

PAGE 1

5:17
HOURS 11-5-17

[illegible]

0-26-5 (01-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

125-20
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

1

YEARS

65,67

PAGE 1

21-23
HOURS L. S. T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

A)

FROM

USAFETAC

1

YEARS

66-70

PAGE 1

MONTH
3-5
HOURS 12 S.T.

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

36197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MONTH

PAGE 1

23-70
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL			TOTAL																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB	WB	Dry Bulb	Wet Bulb	Dew Point																							
48/47			.2	.5	.2													5																											
46/45			.2	.4	.2	.4												6																											
44/43		.5	.2	.2	.4													7																											
42/41	.5	.9	2.3	.9	.2													27		27	1																								
40/39	.4	2.2	3.4	.9														38		38	10																								
38/37	.4	5.0	2.9															46		46	4																								
36/35	2.2	6.1	.9															51		51	7	34																							
34/33	3.8	4.8	2.2															63		63	74	20																							
32/31	3.9	7.5	1.4															72		72	57	23																							
30/29	3.6	5.2	.9															54		54	69	5																							
28/27	6.6	3.6																57		57	73	65																							
26/25	3.8	2.2																33		33	39	45																							
24/23	1.8	3.0	.5															30		30	23	51																							
22/21	2.6	.5																23		23	35	35																							
20/19	1.3	.2																3		3	11	26																							
18/17	.9	.5																8		8	6	13																							
16/15	.9	.7																9		9	6	12																							
14/13	.2	1.1																7		7	5	5																							
12/11		1.1																6		6	7	6																							
10/9		.4																2		2	4	3																							
8/7		.5																5		5	3	3																							
6/5		.4																2		2	3	4																							
4/3		.2																1		1	3	1																							
2/1		.2																1		1	1	3																							
0/-1																						3																							
-2/-3																						1																							
-4/-5																						4																							
-6/-7																						1																							
TOTAL	33.7	47.1	15.1	2.9	.9	.4												558		558	558	558																							
																												</																	

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM

JUN 64

USAF ETAC

PSYCHROMETRIC SUMMARY

65-70

PAGE 1

20-11
HOURS (L, S, T)

[illegible]

PSYCHROMETRIC SUMMARY

65-70

Page 2

MONTH
? - 1/4
HOURS - 5.1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL				TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point													
70/ 59												.2								1																
68/ 67								.4	.2											2																
66/ 65								.5	.4											5																
64/ 63							.2	1.1	.2											3																
62/ 61							.9	.4	.2											2																
60/ 59							.4													2																
58/ 57					.2	.7	.4		.2											2																
56/ 55					.7	1.1	.7	.2												15																
54/ 53				.4	.7	1.3	.9	.2												19																
52/ 51				.4	.5	2.9	.9	.2												27																
50/ 49			.5	.9	1.8	1.6	.4													29																
48/ 47		.4	1.3	1.4	2.2	.4	.5													34																
46/ 45		.7	.9	1.8	1.8	.7														33																
44/ 43	.4	1.6	1.1	.9	2.3															35																
42/ 41		.9	2.0	.9																32																
40/ 39	.4	1.3	2.2	.9	.2															27																
38/ 37	.4	2.9	2.7	1.4	.4															43																
36/ 35	.5	5.2	2.7	1.3	.4															56																
34/ 33	1.8	3.9	1.6	.9	.2															47																
32/ 31	3.0	7.5	1.1	.2																66																
30/ 29	2.2	3.4	.9																	36																
28/ 27	.2	1.6	.7																	14																
26/ 25	.4	.5	.4																	7																
24/ 23	.2	.4																		3																
22/ 21																																				
20/ 19																																				
18/ 17																																				
16/ 15																																				
14/ 13																																				
12/ 11																																				
TOTAL	9.3	30.3	17.9	12.4	12.2	8.6	5.2	2.9	.9	.4										558	556	554	554													
Element (X)	Σx ²		Σx		X̄		s _x		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.	2883649		38593		69.2		19.621		558		≤ 67 F		≤ 73 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total													
Dry Bulb	986583		22827		41.0		9.503		558				21.0		.7								93													
Wet Bulb	760396		20278		36.3		6.493		558				30.2										93													
Dew Point	536214		16958		30.4		6.118		558				61.3										93													

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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22

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13

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US

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

65-70
YEARS

PAGE 1

MONTH
1-12-17
HOURS (L, S, T)

Temp. (F)	WET GULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	DB	WB	Dry Bulb	Wet Bulb	Dew Point												
72/ 71																					1	1													
70/ 69																					1	1													
68/ 67											.4	.2									3	3													
66/ 65											.4	.2									3	3													
64/ 63											.7	.4									6	6													
62/ 61											.2										6	6													
60/ 59							.2	.4	.7												7	7													
58/ 57							.2	.2													2	2													
56/ 55					.2	.9	1.1	1.1	.2												21	21													
54/ 53					.5	.7	1.4	1.1	.2												22	22													
52/ 51			.4	.5	1.1	1.3	.9	.2													24	24													
50/ 49			.7	.7	1.8	2.2	.4	.2													33	33	1												
48/ 47				.4	.5	3.0	.9														27	27	1												
46/ 45			.4	1.8	1.8	.2	.4														29	29	2	1											
44/ 43		2.0	1.1	2.7	2.3	.2	.2														45	45	3	13											
42/ 41		1.4	1.6	2.5	.4																33	33	3	18											
40/ 39	.4	.9	2.7	.9																	27	27	1	25											
38/ 37		2.2	2.7	2.7	.7																46	46		24											
36/ 35	.5	3.0	2.5	.7																	49	49	3	37											
34/ 33	2.2	4.7	1.6	.7																	51	51	6	59											
32/ 31	3.4	4.3	1.4	.4																	53	53	7	90											
30/ 29	2.9	3.6	2.0																		47	47	6	86											
28/ 27	.5	.9	.4																		10	10	2	62											
26/ 25	.4	.9	.5																		10	10	2	46											
24/ 23	.4	.2																			3	3	3	32											
22/ 21																							2	23											
20/ 19																									16										
18/ 17																									5										
16/ 15																									4										
14/ 13																									3										
TOTAL	10.6	26.9	19.7	14.9	11.1	7.9	5.6	2.3	.7	.4											558	558	558												
Element (X)	Σx²			Σx			X			Σx			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.	2886554			38706			69,419,029			558			≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 95 F			Total				
Dry Bulb	982750			22814			40,919,474			558			20.5			.8															93				
Wet Bulb	760624			20276			36,316,545			558			31.5																		93				
Dew Point	538733			17009			30,516,032			558			61.8																		93				

USAFETAC FORM 0-25-5 (OL 2) LATEST PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1

YEARS

65-70

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HOURS 16, 5, 7.1

[illegible]

PSYCHROMETRIC SUMMARY

68

PAGE 1

1 - 23.
HOURS 11 - 5.11

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

26-5 (DLA)

FROM

USAFETAC

PSYCHROMETRIC SUMMARY

66,666

YEARS

MONTH

PAGE 1

100-220
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

66-70

123

PAGE 1

30-0500
HOLBY (S-T)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (01 A)

USAFETAC

1

<u>34197</u>	<u>BAD TOLZ GERMANY AAF</u>
STATION	STATION NAME

65-70

473
MONTH

PAGE 1 0600-0800
HOURS (L. S. - T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

JSAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAF TOLZ GERMANY AAF
STATION STATION NAME

65-70

YEARS

422

MONTH

PAGE 1 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27	28	29-30	<31	DB	WB	Dry Bulb	Wet Bulb	Dew Point										
74/ 73									.4	.2										3	3													
72/ 71									.4											2	2													
70/ 69							.4			.2										3	3													
68/ 67						.2		.6		.2										5	5													
66/ 65							.2	.7	.4											6	6													
64/ 63							.2	.4	.4											5	5													
62/ 61					.2	.6	.7	.4												10	10													
60/ 59				.6	.4	.4	.9	.6	.2											16	16													
58/ 57		.2	.2	.4	1.7	1.5	.9	.2												27	27		7											
56/ 55			.2	.4	1.7	1.5	.9	.2												33	33		5											
54/ 53		.9	.4	1.7	1.5	.7	.2													28	28		13	1										
52/ 51		.7	.4	1.9	3.0	.9														37	37		23	6										
50/ 49		1.1	1.7	1.1	1.9	.7														32	32		35	12										
48/ 47	.2	1.7	2.0	1.7	1.5	.4														43	43		43	3										
46/ 45	.2	1.7	3.0	1.9	.7	.2														41	41		53	23										
44/ 43		1.9	2.0	1.7	.6															36	36		51	27										
42/ 41		.9	1.9	1.3	.4															34	34		58	50										
40/ 39	.7	3.0	3.4	.7	.4															39	39		47	61										
38/ 37		2.4	3.0	1.1																35	35		36	35										
36/ 35	.2	3.0	2.6																	31	31		43	57										
34/ 33	2.4	3.7	1.1																	39	39		56	67										
32/ 31	.9	2.4	.2																	19	19		37	63										
30/ 29	.6	.6																		6	6		21	52										
28/ 27	.4	.7																		6	6		6	30										
26/ 25	.2																			1	1		3	20										
24/ 23																								14										
22/ 21																								4										
20/ 19																								1										
18/ 17																								1										
TOTAL	5.8	26.1	23.5	14.9	13.0	6.7	6.0	2.6	.9	.6										537		537		537										
																											537		537		537			
Element (X)	Σ X ²		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.	2780995		27488		49,817,482		537				≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																		
Dry Bulb	1189228		24680		46,09,558		537					9.4	2.2	.9																				
Wet Bulb	929976		22036		41,06,927		537					11.2																						
Dew Point	706961		19161		39,76,588		537					31.0																						

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70
YEARS

APR
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B. W.B.	Dry Bulb	Wet Bulb					
82/ 81												.2						1	1						
78/ 77												.2						2	2						
76/ 75												.6						6	6						
74/ 73												.4						2	2						
72/ 71											.2							3	3						
70/ 69											.4							8	8						
68/ 67						.2	.4				.7							10	10						
66/ 65						.2	.2	.9	1.1	.2								14	14						
64/ 63					.4	.2	.9	1.3	1.5	1.1	.4							25	25						
62/ 61					.4	.2	.9	1.5	1.1	.9								27	27						
60/ 59					.2	.6	2.0	1.5	.9	.4								30	30		2				
58/ 57			.7	.2	2.2	.9	.9	.6										30	30		11				
56/ 55		.7	.2	.2	1.7	1.9	1.1	.2										32	32		13				
54/ 53		.2	.2	1.5	.6	.9	.7											22	22		23				
52/ 51		1.1	.6	1.5	1.3	.9	.7											33	33		29				
50/ 49		1.1	2.0	1.3	1.3	.7	.4											37	37		59				
48/ 47	.2	1.1	1.7	1.3	2.0	.9	.2											40	40		54				
46/ 45		.9	.7	1.9	.7	.2												24	24		24				
44/ 43		1.9	.9	2.4	.9													33	33		41				
42/ 41		2.4	2.0	1.1	.6													33	33		35				
40/ 39	.4	1.7	3.2	1.3	.4													37	37		46				
38/ 37	.2	2.4	1.9	.4														26	26		52				
36/ 35	.2	1.9	.7															15	15		42				
34/ 33	2.2	3.4																30	30		39				
32/ 31	.9	1.5	.2															14	14		24				
30/ 29		.4																2	2		7				
28/ 27	.2																	1	1		2				
26/ 25																									
24/ 23																									
22/ 21																									
20/ 19																									
TOTAL	4.3	20.7	15.1	13.6	12.5	10.2	8.9	6.5	5.4	1.7	.7	.4						537	537		537				
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	2342334		33748		62.8		20.326		537		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb	1394338		26750		49.8		10.739		537				2.8		5.4		1.8		.2				90		
Wet Bulb	1023179		23137		43.1		7.006		537				5.5										90		
Dew Point	721674		19370		36.1		6.548		537				26.7										90		

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OL A)

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point											
80/ 79											.2							1	1													
79/ 77										.2	.6							4	4													
78/ 75										.7	.2							5	5													
74/ 73										.2								1	1													
72/ 71									.2	.2								2	2													
70/ 69								.4	.7	.4								8	8													
68/ 67								.4	.2	.2	.2							5	5													
66/ 65							.6	.6	.7	.9	.4							17	17													
64/ 63							.7	.6	1.3	2.1	1.7	.6	.4					25	25													
62/ 61																		39	39													
60/ 59								.4	2.0	1.7	.9	.2						34	34	2												
58/ 57		1.5	.2	.2	1.9	.7	.7	.4										30	30	15												
59/ 55		.2	.2	.4	2.6	1.5	1.3											33	33	17												
54/ 53		.2	.4	1.3	.6	1.5												21	21	22	2											
52/ 51		.4	.7	.9	.9	.7												20	20	29	11											
50/ 49		.4	1.1	1.5	1.3	1.3	.4											32	32	49	9											
48/ 47		1.3	1.7	.4	1.9	.6	.2											32	32	68	13											
46/ 45		1.3	1.3	2.0	1.1													35	35	38	23											
44/ 43		1.3	.7	2.8	.6													29	29	43	32											
42/ 41		2.1	1.9	1.7	.9													35	35	35	55											
40/ 39	.2	1.9	2.2	1.1														29	29	50	45											
38/ 37	.9	1.9	1.7	.2														25	25	46	50											
36/ 35	.9	2.4	.9															24	24	44	49											
34/ 33	1.7	3.0	.2															26	26	37	63											
32/ 31	1.5	1.1																14	14	25	73											
30/ 29	.6	.6	.2															7	7	12	48											
28/ 27	.2																	1	1	2	24											
26/ 25																					21											
24/ 23																					12											
22/ 21																					4											
TOTAL	6.0	18.2	14.8	14.4	11.0	12.9	8.4	6.4	4.3	2.6	.9							534	534	534	534											
Element (X)	Σx²		Σx		Σ		Σx		Σ		No. Obs.	Mean No. of Hours with Temperature																				
Rel. Hum.	2330320		33550		62,820,489		534		Σ 0 F Σ 32 F Σ 67 F Σ 73 F Σ 80 F Σ 93 F Total																							
Dry Bulb	1988832		26580		49,911,044		534		3.7 4.4 1.9										90													
Wet Bulb	1017985		22991		48,17,264		534		6.6										90													
Dew Point	716210		19834		36.0 6,830		534		30.7										92													

PSYCHROMETRIC SUMMARY

65-70

PAGE 1 1200-2000
HQ:BS-5-71

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

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YEARS

66-65

105

MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH
1961-2
HOUR (L. S. T.)

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65-69

30-23

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

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YEARS

65-70

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

USAFETYAC

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YEARS

65-70

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFFTAC

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65-70

STATION

STATION NAME

YEARS

PAGE : 2 - 40

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24-25	26-27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point													
82/ 81									.4		.4	.2									51	51															
80/ 79									.2												1	1															
78/ 77						.2		.2	.2												3	3															
76/ 75							.2	.6	.2	.6	.2										9	9															
74/ 73							.2	1.9	.8	.6											14	14															
72/ 71						.2	.9	1.7	1.7	.9											29	29															
70/ 69					.2	.6	1.1	.8	.6	.4											19	19															
68/ 67		.4	.2	.6	1.7	.6	1.1	.9	.9	.2											29	29															
66/ 65				.2	2.7	.6	1.5	.2													27	27															
64/ 63			.2	.2	1.1	1.9	1.5	2.1													37	37	7	1													
62/ 61			.2	.4	1.1	1.7	.6	1.1													27	27	12	2													
60/ 59				.2	.6	2.1	.8														19	19	27	2													
58/ 57		.4	.2	1.3	1.3	3.4	.6														38	38	34	2													
56/ 55		1.3	.8	3.0	3.6	1.1	.2	.2													54	54	41	14													
54/ 53		.9	1.1	3.0	.9	.9	.6														47	47	51	12													
52/ 51	.4	2.1	.4	1.9	1.9	.4															37	37	51	22													
50/ 49	.6	2.7	2.5	.6	.6																36	26	73	55													
48/ 47	.8	1.7	2.1	.8	.2																29	29	74	42													
46/ 45		1.3	2.7	.6																	24	24	45	49													
44/ 43		2.3	.4	.4																	16	16	34	64													
42/ 41	.2	1.9																			11	11	35	66													
40/ 39	.2	1.3																			8	8	13	66													
38/ 37	.4	.6																			5	5	11	41													
36/ 35		.4																			2	2	2	2													
34/ 33	.6	.2																			4	4	5	14													
32/ 31																								12													
30/ 29																								3													
28/ 27																								1													
26/ 25																								1													
TOTAL	3.0	17.1	10.9	12.5	12.3	16.9	7.2	11.2	4.9	2.7	.6	.2									527	527		527													
Element (X)	Σx ²		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																										
Ref. Hum.	2267601		33083		62,719,242		527		≤ 0 F		≤ 32 F		≤ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total																
Dry Bulb	1797940		30834		57,619,933		527						19.9		6.4		1.1				93																
Wet Bulb	1334024		26310		49,96,246		527								.2						93																
Dew Point	1019474		22938		43.66,084		527						3.0								93																

REVISED PREVIOUS EDITIONS OF " FORM ARE OBSOLETE

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YEARS

65-70

PAGE 1

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16 - 17
HOURS 1 5 7

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34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

63-70

YEARS

PAGE 1

HOURS 16.5 Y 1

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REPLACE PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

0-26-5 (GLA)

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USAFETAC

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34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

66-69

YEARS

MONTH

PAGE 1 417-23
HOURS (L. S. T)

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

USAFETAC

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YEARS

67-59

MONITOR

1 - 27
HOURS L. S. Y.

FORM 0-26-5 (CL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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YEARS

65-69

MON 11

1, - 5
HOURS L. S. T

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

65-70

YEARS

MONTH

PAGE 1

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27-28	29-30	≥31	DB W.B.	Dry Bulb	Wet Bulb	Dew Point		
78/ 77								.2											1					
74/ 73							.4												2					
72/ 71				.2	.6	.6	.2												3					
70/ 69					.6	.4													5					
68/ 67			.4	1.1	2.3	.4	.2												23	23				
66/ 65			.6	1.0	.8	.6													16	16				
64/ 63			1.9	2.3	1.1	.2													29	29		1		
62/ 61		1.0	2.9	2.5	.8	.2													38	38	2	4		
60/ 59		1.5	2.5	2.9	1.0														41	41	35	12		
58/ 57		4.4	3.8	1.9	.4														57	57	51	23		
56/ 55		4.4	2.9	1.9	.6														51	51	64	52		
54/ 53	1.0	6.1	3.1	1.3	.2														61	61	58	41		
52/ 51	.2	5.2	2.3	.2															41	41	50	44		
50/ 49	1.0	4.0	2.9	.2															42	42	09	42		
48/ 47	.4	3.6	1.7																31	31	34	49		
46/ 45	1.5	3.1	1.1																30	30	41	54		
44/ 43	1.9	2.3	.4																24	24	31	46		
42/ 41	1.5	.8																	12	12	21	33		
40/ 39	.8	.6																	7	7	1	19		
38/ 37	.6	.2	.2																5	5	4	12		
36/ 35																					2	1		
34/ 33																						1		
32/ 31																						1		
TOTAL	9.03	7.22	6.81	5.5	8.2	2.3	.8	.2											522	522	527	522		
															</									

USAF ETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

65-70

YEARS

MONTH

PAGE 1

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HOURS (L.S.T.)

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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

65-73

PAGE 1 121-141
HOURS (L. S. T.)

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

65-73

PAGE 1

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PSYCHROMETRIC SUMMARY

65-70

YEARS

MONTH

PAGE 1

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0-26-5 (CI A)

USAFETAC

PSYCHROMETRIC SUMMARY

67-66

PAGE 1

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USAFETAC

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YEARS

65-69

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FORM 0.26-5 (01 A)

USAFETAC

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-70

PAGE 1

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0-26-5 (OL A)

USAFETAC

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YEARS

65-7)

STATION

STATION NAME

PAGE 2

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PSYCHROMETRIC SUMMARY

65-70

STATION

STATION NAME

YEARS

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Page 1 2 - 4

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7-26-5 (01 A)

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STATION

STATION NAME

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USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

65-70

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0-26-5 (01 A)

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PAGE 2

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USAFETAC FORM 0-26-5 (01-A)

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YEARS

BAD TOLZ GERMANY AAF
STATION NAME

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MONTH

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USAFETAC FORM 0-26-5 (OL A)

USAFETAC

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YEARS

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

63-70

YEARS

MONTH

PAGE 1

HOURS (L S T)

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PSYCHROMETRIC SUMMARY

65-70

Page 1

MONTH
2-11
HOURS 5.11

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/WAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

65-70

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25-26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point														
94/ 93																																	1	1					
90/ 89																																	2	3					
88/ 87																																	5	5					
86/ 85																																	4	4					
84/ 83																																	4	4					
82/ 81																																	10	1					
80/ 79																																	14	14					
78/ 77																																	15	15					
76/ 75																																	19	19					
74/ 73																																	32	22					
72/ 71																																	44	44					
70/ 69																																	50	30	1				
68/ 67																																	49	45	2				
66/ 65																																	33	23	3	4			
64/ 63																																	29	29	4	11			
62/ 61																																	36	36	3	2			
60/ 59																																	24	24	6	34			
58/ 57																																	51	51	4	33			
56/ 55																																	38	38	6	34			
54/ 53																																	19	19	3	17			
52/ 51																																	16	16	4	55			
50/ 49																																	10	10	1	64			
48/ 47																																	9	9	1	6			
46/ 45																																	3	3	5	25			
44/ 43																																			2	12			
42/ 41																																							
40/ 39																																							
38/ 37																																							
36/ 35																																							
TOTAL	3.1	16.6	13.5	11.2	14.1	15.6	13.3	5.6	2.7	1.7	1.5	.6	.4																				518	518	51				
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.	2486413		34805		67.2		16.909		518		$\leq 0 F$		$\leq 32 F$		$\leq 67 F$		$\leq 73 F$		$\leq 80 F$		$\leq 93 F$		Total																
Dry Bulb	2257291		33867		65.4		9.126		518						44.9		19.2		5.9		.2												93						
Wet Bulb	1757706		30044		58.0		5.414		518						5.2																		93						
Dew Point	1481031		27581		53.2		4.912		518																								93						

USAFETAC FORM 0-26-5 (OLA) JUL 54

PSYCHROMETRIC SUMMARY

65-70

YEARS

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FORM

USAFETAC

PSYCHROMETRIC SUMMARY

65-70

PAGE 1

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01-A)

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PSYCHROMETRIC SUMMARY

67-69

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0-26-5 (OL A)

USAFETAC

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

66-67, 69

PAGE 1

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REPLACES PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

0-26-5 (OLA)

USAFETAC

94197 BAD TOLZ GERMANY AAF
STATION STATION NAME

63-05

PAGE 1 3-2-5

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YEARS

64-70

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USAFETAC
FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

USAFETAC FORM

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USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

64-7C

PAGE 1

20 - 4
HJ AS - L.S.T.

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34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

BAD TOLZ GERMANY AAF

64,66-7C

PAGE 1 10-17
NOV 15 1951

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL			
	0	1-2	3-4	5-6	7	8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥31	DB	WB	Dry Bulb	Wet Bulb	Dew Point									
84/ 83																					1	1											
82/ 81									.2												3	3											
80/ 79									.2	.4											5	5											
78/ 77								.6	.9	.2											7	7											
76/ 75				.2			.2	1.3													9	9											
74/ 73				.2	.2		.9	.9	.9			.4									16	16											
72/ 71				.4	.6	3.2	.9														24	24											
70/ 69				.4	1.5	1.7	1.5	.2													25	25											
68/ 67			.2	.6	3.0	1.7	.6	.2													37	37											
66/ 65			.6	2.6	4.1	2.1	.2	.2													46	46											
64/ 63		.2	1.3	4.3	2.4	3.2															53	53											
62/ 61		.2	3.0	2.6	3.8	.9		.2													57	57											
60/ 59	.4	1.5	1.1	2.1	2.8	.6	.2														41	41	6	15									
58/ 57	.2	3.8	1.9	3.0	2.4	.2															54	54	74	46									
56/ 55	.2	3.0	1.3	2.6	.4																35	35	65	6									
54/ 53	.2	1.1	1.1	1.5	.4																27	27	5	7									
52/ 51		1.5	.9	.6																	14	14	48	3									
50/ 49	.6	1.9	.9																		16	16	32	5									
48/ 47	.4	.9	.4																		8	8	25	5									
46/ 45	.4	1.1																			7	7	21	45									
44/ 43		.6																			3	3	9	21									
42/ 41																							2	15									
40/ 39																								1									
38/ 37																								1									
36/ 35																								4									
TOTAL	2.6	15.8	12.6	21.2	21.6	14.7	6.2	3.0	.6	1.7											468	468	468	468									

<u>34197</u>	<u>BAD TULZ GERMANY AAF</u>
STATION	STATION NAME

66-70

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

66-67, 69

PAGE 1 100-231

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USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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YEARS

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HOURS IN P. M.

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0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

65-69

YEARS

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DATA PROCESSING DIVISION
USAF ETAC
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PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

64-72

STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23	24	25-26	27	28	29-30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point															
68/ 67						.2														1	1																		
66/ 65							.2													1	1																		
64/ 63							.2													1	1																		
62/ 61						.4														2	2																		
60/ 59					.4	.2														3	3																		
58/ 57		.4	.2		.2	.2														5	5																		
56/ 55	.7	.9	1.1	.2	.2															17	17																		
54/ 53	1.3	.7	1.1	.2																14	14																		
52/ 51	.7	3.4	1.1	.5																32	32																		
50/ 49	2.3	3.8	1.3	.5																44	44																		
48/ 47	2.3	3.2	2.2	.4																45	45																		
46/ 45	3.2	2.9	2.2	.4																48	47																		
44/ 43	3.6	4.9	1.1	.2																54	54																		
42/ 41	2.9	4.0	1.1																	44	44																		
40/ 39	2.9	4.5	1.3																	48	48																		
38/ 37	3.6	5.2	.7																	53	53																		
36/ 35	2.3	4.5	.5																	41	41																		
34/ 33	3.1	3.2	.2																	36	36																		
32/ 31	2.5	2.0																		25	25																		
30/ 29	1.4	1.8																		18	18																		
28/ 27	.9	1.3																		12	12																		
26/ 25	.7	.2																		3	3																		
24/ 23	.2																			1	1																		
22/ 21																																							
20/ 19																																							
TOTAL	34.8	46.9	13.9	2.3	.7	.9	.4															554																	
																				554																			

References

PSYCHROMETRIC SUMMARY

64-76

STATION

STATION NAME

YEARS

404

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0-26-5 (OL A) REVISSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197
STATION

BAD TOLZ GERMANY AAF
STATION NAME

64-70

YEARS

PAGE 1 12 -14
NO. 45 11 517

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	DB. WB	Dry Bulb	Wet Bulb	Dew Point														
78/ 77											.2	.2						2	2																
76/ 75										.5	.2							5	5																
74/ 73								.3	.5	.2								6	6																
72/ 71						.2	.9	1.0	.9									17	17																
70/ 69						.5	1.2	1.0	.9									21	21																
68/ 67				.3	.3	2.0	1.2	2.2	.2									37	37																
66/ 65			.3	1.0	2.6	2.4	1.9	1.0	.9	.3								56	56																
64/ 63			1.0	.7	1.5	2.6	1.7	.3	.5									40	40																
62/ 61			1.2	1.7	.9	.9	.7	.3	.3									38	38	14															
60/ 59		.3	1.4	.9	1.4	1.5	.5	.3	.2									39	39	37															
58/ 57	.2	.5	1.7	.5	2.4	1.2	.2											39	39	57	13														
56/ 55		1.0	.5	1.5	1.7	.7	.2											33	33	71	14														
54/ 53	.2	2.6	1.4	1.0	.9	.9												40	40	74	37														
52/ 51	.2	2.2	1.0	1.2	.9	.9												37	37	50	56														
50/ 49	.3	1.0	.9	1.5	.7	.2												27	27	53	61														
48/ 47	.2	1.0	.9	.3	.3													16	16	42	45														
46/ 45	.5	1.7	2.9															35	35	43	47														
44/ 43		1.5	1.5															18	18	32	46														
42/ 41	.3	1.2	.7															13	13	34	5														
40/ 39	.3	2.0	1.0	.7														24	24	24	45														
38/ 37	.7	3.1	.2															23	23	21	57														
36/ 35	.2	.3	.3															5	5	24	27														
34/ 33	.7	.3																6	6		44														
32/ 31	.2	.2																2	2	2	27														
30/ 29																						5													
28/ 27																							5												
26/ 25																							2												
TOTAL	3.9	19.1	16.9	12.3	13.5	13.8	8.7	7.3	3.7	.7	.2							587	587	387	587														
Element (X)	Σ X ¹			Σ X			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature						Total													
Rel. Hum.	2778120			38994			66.4			17.901			587			≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total													
Dry Bulb	1907146			32922			56.1			15.178			587					3	13.9	2.1		93													
Wet Bulb	1469389			29059			49.5			7.255			587					5				93													
Dew Point	1164671			25795			43.9			7.290			587					5.2				93													

USAF ETAC FORM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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DATE: 11-2-75

USAFETAC
FORM 0-26-5 (OL A)
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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (01 A)

USAFETAC

34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

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DATA PROCESSING DIVISION
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PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

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STATION

STATION NAME

YEARS

MONTH

PAGE 1

HOURS IN MONTH

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9	10	11-12	13-14	15-16	17-18	19-20	21	22	23-24	25-26	27-28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point										
64/63								.2														1													
62/61								.2														3													
60/59								.5														3													
58/57						.2		.2	.2													3													
56/55						.4																2													
54/53						.5																3													
52/51					.7	.7																4													
50/49				.7	.4																	6													
48/47	.2	.3	1.3	.4																		13													
46/45	.2	1.3	.9	1.1																		19													
44/43	1.1	2.2	.1	.5	.4																	29													
42/41	.9	2.5	1.3	.4	.2																	29													
40/39	1.4	3.4	2.7	.2																		43													
38/37	1.4	4.2	1.6																			43													
36/35	4.2	7.2	.2	.2																		66													
34/33	3.4	6.0	.7	.2																		57													
32/31	5.1	3.3	.2																			47													
30/29	5.1	2.0																				39													
28/27	4.5	4.0																				47													
26/25	3.1	2.0																				28													
24/23	1.1	2.9																				22													
22/21	2.7	.5																				18													
20/19	1.3	.2																				8													
18/17	.9	.2																				6													
16/15		.4																				2													
14/13																																			
12/11	.2	.4																				3													
10/9	.5	.2																				4													
8/7	.2																					1													
6/5	.2																					1													
4/3	.2																					1													
2/1																																			
TOTAL	35.0	43.3	10.7	4.0	2.0	1.4	.5															552		554	552	552									
Element (X)	Σx'		Σx		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total														
Rel. hm.	4260662		48026		67,012,216		552		≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F																
Dry Bulb	690692		18916		34,19,002		554				37.2														90										
Wet Bulb	623216		18052		32,77,723		552				41.1														90										
Dew Point	542864		16798		30,47,583		552				53.6														90										

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

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34197 BAD TOLZ GERMANY AAF
STATION STATION NAME

64-70

YEARS

PAGE 1

MOON
HOURS L S T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27	28	29-30	31	DB WB	Dry Bulb	Wet Bulb	Dew Point												
66/ 63							.2	.2	.3												4	4													
64/ 63							.2	.5	.2												4	4													
62/ 61							.2	.2	.2												2	4													
60/ 59							.2	.3	.2												4	4													
58/ 57				.3			.5														5	5													
56/ 55					.3		.7														5	6													
54/ 53				.7			.7														10	11													
52/ 51			.2	1.0	.7		.3														11	11													
50/ 49		.2	.7	1.2	.3	.3															15	16													
48/ 47		.2	2.0	.8	.2																19	19	1	2											
46/ 45		.2	2.5	3.7	1.2	.2															44	46	2	4											
44/ 43	.7	2.0	2.5	.7	.2	.2															36	28	44	2											
42/ 41	.8	3.7	2.7	.7	.2																6	4	44	2											
40/ 39	.8	3.5	2.4	.7																	44	44	34	44											
38/ 37	1.7	4.9	2.3	.3																	57	57	32	67											
36/ 35	3.2	5.1	1.9	.2																	61	61	73	71											
34/ 33	1.3	2.9	.3																		28	28	53	64											
32/ 31	3.7	3.7	.7																		48	48	43	73											
30/ 29	2.7	2.9	.8																		38	34	43	83											
28/ 27	4.4	2.5	.3																		43	43	45	51											
26/ 25	1.0	2.0	.3																		20	21	23	29											
24/ 23		1.7	.2																		11	11	13	17											
22/ 21	.3	1.0																			8	8	14	21											
20/ 19	.2	.3																			4	4	5	16											
18/ 17	.2	.2																			2	2	4	5											
16/ 15	.2																				1	1	1	3											
14/ 13																																			
12/ 11		.2																			1	1		2											
10/ 9	.2																				1	1	2	1											
8/ 7																																			
6/ 5																																			
4/ 3	.2																				1	1	1	1											
0/ 0																					1	1	1	1											

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PSYCHROMETRIC SUMMARY

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USAFETAC

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34197 BAD TOLZ GERMANY AAF

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HOURS 12 5 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15-16	17-18	19-20	21-22	23-24	25	26	27	28	29	30	31	DB WB	Dry Bulb	Wet Bulb	Dew Point										
72/ 71										.3	.2											3	3												
70/ 69									.2	.5												4	4												
68/ 67								.5	.7		.2											5	5												
66/ 65								.3		.2												3	3												
64/ 63								.8	.5		.2											5	5												
62/ 61				.2	.2			.7	.2	.2												3	3												
60/ 59					.3	.3	.5	1.0														11	11												
58/ 57				.2	.8	1.7	.5	.2														2	2												
56/ 55				.3	1.4	.8																15	15		7										
54/ 53				.5	1.5	.5	.8															15	15		11										
52/ 51			.5	.7	.3	.2																17	17		17										
50/ 49			1.4	2.7	2.0																	36	36		21										
48/ 47	.2	1.0	2.4	2.0	.8	.2																39	39		37										
46/ 45	.2	2.0	2.4	2.7	1.2	.2																51	51		43										
44/ 43	.5	2.0	2.7	2.4	.2																	46	46		51										
42/ 41	.7	3.7	2.7	.8																		47	47		54										
40/ 39	1.2	3.7	1.4	.3																		39	39		47										
38/ 37	1.2	2.9	2.5	.3																		41	41		51										
36/ 35	1.0	2.2	2.2	.2																		32	32		45										
34/ 33	2.0	3.7	2.2																			47	47		44										
32/ 31	2.0	4.6	.8																			44	44		49										
30/ 29	1.5	1.5	.3																			20	20		42										
28/ 27	1.5	1.5	.3																			20	20		19										
26/ 25	.2	1.2																				8	8		9										
24/ 23		1.5																				9	9		14										
22/ 21		.2																				1	1		4										
20/ 19																																			
18/ 17	.2	.2																				2	2		1										
16/ 15																																			
12/ 11		.2																				1	1												
10/ 9																																			
8/ 7																																			
TOTAL	12.3	32.1	21.6	13.2	8.8	4.1	4.4	1.7	1.2	.5												592	592		592										
Element (X)	Σ x ²			Σ x			Σ			Σ x			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.	3452901			44027			74,417,355			592			≤ 0 F			≤ 32 F			≤ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total				
Dry Bulb	1127966			25106			42,410,345			592						16.0			2.3												9				
Wet Bulb	907790			22756			38,47,480			592						21.3															50				
Dew Point	706057			20081			33.9 6,491			592						36.8															0				

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

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DATA PROCESSING DIVISION
USAF ETAC
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PSYCHROMETRIC SUMMARY

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

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MONTH

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Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25	26	27	28	29	30	31	DB	WB	Dry Bulb	Wet Bulb	Dew Point												
68/ 67								.2																									1	1				
66/ 65								.2																									1	1				
64/ 63								.2																									1	1				
62/ 61								.4	.2																								3	2				
60/ 59						.2	.2	.2																								2	3					
58/ 57						.4	.4																									4	4					
54/ 53						.2																										1	1	1				
52/ 51					.9	.9																										2	2					
50/ 49	.2	.4	.2	.4	.9																										1	1	7	1				
48/ 47		1.1	.7	.4	.2																										11	11	7	2				
46/ 45	.4	1.6	3.1	.4																											25	25	1	9				
44/ 43	.4	2.2	1.6																												19	19	1	14				
42/ 41	1.6	2.5	2.2	.4																											3	3	4	12				
40/ 39	3.6	6.1	1.6																												5	5	4	25				
38/ 37	3.6	4.9	.7																												41	41	54	65				
36/ 35	3.1	5.6	.4																												41	41	4	4				
34/ 33	4.3	4.9	.4																												44	44	4	57				
32/ 31	7.6	3.1																													48	48	3	63				
30/ 29	3.6	3.6																													33	33	37	27				
28/ 27	6.1	1.8	.2																												36	26	39	46				
26/ 25	1.3	2.0																													15	15	12	25				
24/ 23	.7	1.3																													9	9	1	12				
22/ 21	.4	.4																													4	4	7	11				
20/ 19	.9	.2																													5	5		5				
18/ 17																																		1	7			
16/ 15		.2																													1	1	1					
14/ 13		.4																													2	2	2	1				
12/ 11																																		1				
10/ 9																																		1				
8/ 7																																		1				
TOTAL	38.3	42.6	11.2	2.7	2.9	.7	.9	.7																									446	446	446			
Element (X)	Σ X ²		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X					
Rel. Hum.	3523626		39228		88.0		12.036		446		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total															
Dry Bulb	620344		16222		36.4		8.254		446				30.9		.2																							
Wet Bulb	561877		15539		34.8		6.785		446				33.5																									
Dew Point	497807		1.325		32.8		6.401		446				41.2																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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YEARS

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MONTH

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HOURS 1 5 1

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

34197 8AD TOLZ GERMANY AAF
STATION STATION NAME

64-70
YEARS

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

64-7.

PAGE 1 2 111
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U-26-5 (OLA)

USAFETAC

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YEARS

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REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01 A)

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34197 BAF TOLZ GERMANY AAF
STATION STATION NAME

64-72

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34197 8AD TOLZ GERMANY AAF
STATION STATION NAME

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DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34197 BAD TOLZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	33.5	35.2		42.9	45.3	51.0		50.0	52.0	39.5			41.5
	S D		3.189		6.936	5.737	7.842			5.517				5.517
	TOTAL OBS	2	6		59	39	9		2	31	2			102
03-05	MEAN	24.9	28.1	30.5	35.8	44.1	49.5	53.7	52.3	48.3	42.5	33.7	26.1	37.5
	S D	10.607	9.847	6.664	7.071	6.510	6.338	6.285	5.390	5.266	7.413	8.824	9.814	12.004
	TOTAL OBS	226	243	275	250	199	206	221	243	236	238	268	221	2722
06-08	MEAN	24.2	28.2	30.7	38.3	47.7	54.9	57.4	54.8	49.5	42.2	34.1	25.0	41.5
	S D	11.195	10.258	7.807	7.146	6.954	7.523	6.739	6.108	6.060	7.711	9.002	10.346	14.007
	TOTAL OBS	447	430	558	537	537	522	505	554	506	554	554	531	6021
09-11	MEAN	26.8	31.4	36.5	46.0	54.7	61.8	64.6	61.8	57.9	50.1	37.8	27.1	42.2
	S D	10.217	9.457	8.620	9.558	8.995	9.843	8.800	7.944	7.131	8.926	9.129	9.441	14.011
	TOTAL OBS	516	465	558	517	537	522	505	534	528	597	592	602	6495
12-14	MEAN	32.1	36.5	41.0	49.5	57.6	65.1	68.2	65.4	62.7	56.1	42.4	31.5	51.4
	S D	9.523	9.177	9.503	10.739	9.935	10.680	9.563	9.126	7.767	10.178	10.345	8.162	16.063
	TOTAL OBS	500	462	558	537	527	512	494	518	507	587	592	583	6267
15-17	MEAN	31.0	36.2	40.9	49.8	57.4	65.1	67.9	65.4	62.1	54.3	40.4	31.5	48.7
	S D	9.540	9.232	9.474	11.044	10.165	10.907	9.397	9.279	7.615	9.623	9.389	8.111	16.192
	TOTAL OBS	492	461	558	534	521	507	456	491	468	567	591	542	6109
18-20	MEAN	27.5	31.8	37.2	45.5	54.1	61.0	65.3	61.5	56.8	48.8	36.4	27.7	45.5
	S D	9.492	8.336	8.305	9.600	8.744	9.738	8.317	7.397	6.225	6.976	8.254	8.732	15.006
	TOTAL OBS	358	358	465	485	393	338	339	375	388	385	446	395	4725
21-23	MEAN	32.3	24.7	44.0	44.6	48.5	59.9	67.3	57.9	53.8	41.6			42.5
	S D	2.251	9.585		6.066	6.683	3.534	1.708	3.292	6.036	3.362			5.999
	TOTAL OBS	6	6	1	106	60	11	4	15	66	5			20
ALL HOURS	MEAN	28.1	22.4	36.6	45.0	53.3	60.6	63.6	60.8	56.8	49.8	38.0	28.2	44.5
	S D	10.476	9.963	9.535	10.528	9.874	10.759	9.760	9.126	8.642	10.208	10.761	9.356	15.794
	TOTAL OBS	2547	2431	2974	3045	2813	2627	2514	2712	2730	2935	3044	2875	33747

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34197 8AD TOLZ GERMANY AAF

64-70

STATION		STATION NAME												YEARS	
WPS 1-5		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
00-02	MEAN	34.5	32.7		40.9	43.5	49.6		49.0	50.8	38.5				
	S D		2.422		6.394	4.937	7.020			5.036					
	TOTAL OBS	2	6		59	39	9		2	31	2				
03-05	MEAN	24.3	27.1	29.7	34.5	42.2	47.9	52.0	51.0	47.3	41.3	32.5	24.2		
	S D	10.105	8.846	6.108	6.493	5.663	5.522	5.376	4.966	4.991	6.986	7.489	9.091		
	TOTAL OBS	225	241	276	250	199	206	221	243	236	238	266	217		
06-08	MEAN	23.8	27.0	29.3	36.3	44.6	51.6	54.3	52.6	48.1	40.8	32.7	24.2		
	S D	10.357	9.260	7.134	6.378	5.571	5.919	5.397	5.045	5.557	7.122	7.723	9.752		
	TOTAL OBS	439	427	558	537	537	522	505	534	506	554	552	527		
09-11	MEAN	25.8	29.3	33.4	41.0	48.5	55.0	58.0	56.4	53.3	46.2	35.4	25.9		
	S D	9.374	8.251	6.606	6.927	6.020	6.621	5.876	5.191	5.169	7.126	7.373	8.724		
	TOTAL OBS	510	465	558	537	537	522	505	534	528	597	593	601		
12-14	MEAN	29.7	33.1	36.3	43.1	49.9	56.6	59.5	58.0	55.7	49.5	38.4	29.4		
	S D	8.167	7.185	6.493	7.006	6.246	6.813	6.111	5.414	5.076	7.253	7.480	7.086		
	TOTAL OBS	498	462	558	537	527	512	484	518	507	567	592	583		
15-17	MEAN	29.1	33.0	36.3	43.1	50.0	56.5	59.4	57.9	55.7	48.9	37.5	28.4		
	S D	8.197	7.296	6.545	7.264	6.243	6.720	5.984	5.436	5.180	7.327	7.210	7.111		
	TOTAL OBS	488	461	558	534	521	507	456	491	468	567	591	543		
18-20	MEAN	27.2	30.2	34.4	41.0	48.5	54.9	58.9	56.8	53.5	46.4	34.8	26.3		
	S D	8.565	7.269	6.360	7.065	5.845	6.685	5.942	5.203	4.996	6.278	6.783	7.978		
	TOTAL OBS	347	358	465	485	393	338	339	375	388	385	446	394		
21-23	MEAN	30.7	33.2	40.0	42.1	45.8	55.8	60.8	56.1	52.1	40.6				
	S D	1.506	9.368		5.562	5.193	2.040	.957	3.523	5.252	2.881				
	TOTAL OBS	6	6	1	106	60	11	4	15	66	5				
ALL HOURS	MEAN	27.0	30.2	33.5	40.4	47.7	54.4	57.4	55.8	52.6	46.0	35.6	26.9		
	S D	9.328	8.359	7.159	7.432	6.430	6.964	6.339	5.764	6.060	7.813	7.668	8.462		
	TOTAL OBS	2515	2426	2974	3045	2813	2627	2514	2712	2730	2935	3040	2861		

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/VAC

MEANS AND STANDARD DEVIATIONS

SEA-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

34197 BAD TOLZ GERMANY AAF

64-70

STATION

STATION NAME

YEARS

HRS LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 33.5	28.8		38.8	41.8	48.4		48.3	50.1	37.7			41.1
	S D 10.858	2.041		6.775	4.639	6.386			4.871				7.711
	TOTAL OBS 2	0		59	39	9		2	31	2			
03-05	MEAN 22.2	24.5	27.8	32.6	40.4	46.6	50.8	50.0	46.3	40.7	30.3	23.3	37.1
	S D 10.858	9.026	6.250	6.709	5.731	5.335	5.247	4.937	5.150	7.185	7.274	9.453	12.447
	TOTAL OBS 225	241	276	250	195	206	221	243	236	238	266	215	211
06-08	MEAN 21.5	24.2	26.5	35.6	41.7	49.2	52.2	51.1	46.9	39.2	30.4	22.7	37.1
	S D 11.089	9.607	7.913	6.593	5.458	5.530	5.253	4.892	5.613	7.329	7.583	10.162	13.155
	TOTAL OBS 439	427	558	537	537	522	505	534	506	554	552	521	514
09-11	MEAN 22.8	25.4	28.9	35.7	43.2	50.4	53.8	52.9	49.9	42.5	32.1	23.7	37.2
	S D 9.958	8.601	6.619	6.588	5.747	5.897	5.272	4.824	5.045	7.286	7.042	9.279	12.231
	TOTAL OBS 510	465	558	537	537	522	505	534	528	597	593	601	647
12-14	MEAN 25.5	28.0	30.4	36.1	43.6	50.9	54.3	53.2	50.8	43.9	33.9	25.8	39.2
	S D 8.567	7.454	6.118	6.543	6.064	6.176	5.509	4.912	5.049	7.290	6.491	7.418	12.332
	TOTAL OBS 498	462	558	537	527	512	484	518	507	587	592	583	636
15-17	MEAN 25.5	28.2	30.5	36.0	43.9	50.8	54.2	53.0	51.2	44.3	34.1	25.5	39.2
	S D 8.403	7.322	6.032	6.630	5.788	5.861	5.530	4.830	5.131	7.372	6.572	7.285	12.231
	TOTAL OBS 488	461	558	534	521	507	456	491	468	567	591	542	613
18-20	MEAN 25.2	27.3	30.4	36.3	43.8	50.7	54.9	53.6	51.1	44.1	32.8	24.4	39.1
	S D 9.017	7.560	6.076	6.637	5.415	6.073	5.889	5.058	5.029	6.653	6.401	8.072	12.554
	TOTAL OBS 347	358	465	485	393	338	339	375	388	385	445	394	471
21-23	MEAN 27.0	18.5	35.0	39.4	43.3	52.0	57.0	54.9	51.0	39.6			42.7
	S D 8.894	11.912		6.077	4.586	2.166	2.000	3.807	5.003	2.510			7.957
	TOTAL OBS 6	6	1	106	60	11	4	15	66	5			5
ALL HOURS	MEAN 23.9	26.4	29.2	35.5	43.0	50.1	52.5	52.5	49.7	42.5	32.5	24.7	37.2
	S D 9.709	8.408	6.746	6.754	5.770	5.961	5.573	5.023	5.481	7.480	7.025	8.705	12.752
	TOTAL OBS 2515	2426	2974	3045	2813	2627	2314	2712	2730	2935	3040	2861	3317

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DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/1AC

RELATIVE HUMIDITY

34107 BAD TOLZ GERMANY AAF

54-70

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	100.0	99.5	95.8	89.6	72.1	44.3	85.2	2515
FEB		100.0	100.0	99.9	99.0	96.9	92.5	76.9	55.4	25.5	79.7	2420
MAR		100.0	100.0	99.7	97.0	91.6	83.5	59.7	46.8	27.9	70.8	2974
APR		100.0	100.0	99.0	94.6	88.3	79.8	67.4	49.6	26.0	76.1	3145
MAY		100.0	100.0	99.6	95.6	88.7	76.7	66.1	47.6	23.7	75.4	2813
JUN		100.0	100.0	99.9	98.0	89.7	78.5	63.3	46.5	22.2	75.7	2627
JUL		100.0	100.0	99.9	98.7	91.4	77.9	51.5	37.1	17.4	73.1	2514
AUG		100.0	100.0	100.0	98.5	94.1	85.4	74.9	62.0	40.3	81.2	2712
SEP		100.0	100.0	100.0	99.3	97.3	89.5	78.3	61.6	39.0	82.9	2737
OCT		100.0	100.0	99.8	98.5	94.7	88.3	80.8	67.3	40.5	82.9	2935
NOV		100.0	100.0	100.0	98.8	95.6	90.4	80.5	66.3	41.5	83.2	3040
DEC		100.0	100.0	100.0	100.0	99.2	97.1	90.0	73.6	42.8	85.8	2861
TOTALS		100.0	100.0	99.8	98.2	93.8	86.4	73.3	57.2	32.6	79.8	33192

USAF ETAC

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RELATIVE HUMIDITY

65-70

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	92.0	
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	97.3	84.9	58.2	89.3	22
	06-08	100.0	100.0	100.0	100.0	100.0	98.9	95.0	82.5	51.3	88.0	41
	09-11	100.0	100.0	100.0	100.0	100.0	96.9	88.2	69.4	38.2	84.7	51
	12-14	100.0	100.0	100.0	100.0	97.0	87.1	65.9	49.4	23.1	77.6	49
	15-17	100.0	100.0	100.0	99.8	98.6	92.6	74.2	56.8	25.6	80.5	48
	18-20	100.0	100.0	100.0	100.0	100.0	99.4	96.0	83.9	57.6	89.2	347
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.0		80.5	1
TOTALS		100.0	100.0	100.0	100.0	99.5	96.8	89.6	72.1	44.3	85.2	2515

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34197 BAF TOLZ GERMANY AAF

65-70

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	100.0	100.0	100.0	83.3	33.3		77.7	4
	03-05	100.0	100.0	100.0	100.0	98.8	96.7	92.1	75.9	45.2	86.0	241
	06-08	100.0	100.0	100.0	100.0	99.3	97.4	87.4	73.3	43.1	85.1	427
	09-11	100.0	100.0	100.0	100.0	96.8	90.5	77.4	54.2	26.7	79.6	465
	12-14	100.0	100.0	99.1	95.9	90.0	78.4	58.0	41.8	15.6	73.1	462
	15-17	100.0	100.0	99.8	97.0	92.2	81.1	60.7	43.2	16.1	74.5	461
	18-20	100.0	100.0	100.0	99.2	98.0	93.5	89.7	71.3	40.8	84.4	358
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	66.7	30.0	16.7	77.2	6
TOTALS		100.0	100.0	99.9	99.0	96.9	92.5	76.9	55.4	25.5	79.7	2426

RELATIVE HUMIDITY

65-70

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	99.6	97.1	88.0	87.6	69.5	274
	06-08	100.0	100.0	100.0	99.6	99.1	96.2	88.2	69.7	43.4	85.7	558
	09-11	100.0	100.0	99.8	97.1	90.9	79.4	64.0	43.1	27.4	76.1	558
	12-14	100.0	99.8	99.5	91.2	77.4	62.9	50.7	36.6	20.3	69.2	558
	15-17	100.0	100.0	99.1	92.3	79.9	64.3	49.8	34.8	17.7	69.4	558
	18-20	100.0	100.0	99.8	95.9	92.8	81.7	68.4	52.5	28.6	78.1	465
	21-23	100.0	100.0	100.0	100.0	100.0	100.0				70.0	1
TOTALS		100.0	100.0	99.7	97.0	91.6	83.5	59.7	46.8	27.9	76.8	2974

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MONTH

65-70

STATION

STATION NAME

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DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34197 BAD TOLZ GERMANY AAF

65-70

LY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	100.0	100.0	100.0	97.4	87.2	41.0	87.7	30
	03-05	100.0	100.0	100.0	100.0	99.5	97.5	93.0	78.4	48.2	87.5	199
	06-08	100.0	100.0	100.0	99.6	98.9	93.3	80.3	51.6	24.6	80.5	537
	09-11	100.0	100.0	100.0	95.2	82.5	62.0	43.0	25.5	12.1	67.6	537
	12-14	100.0	100.0	98.9	87.1	69.8	47.4	35.7	23.0	12.0	62.7	527
	15-17	100.0	100.0	98.8	85.0	71.4	51.2	38.8	24.8	13.1	63.9	521
	18-20	100.0	100.0	99.2	96.9	87.5	67.4	48.9	30.3	16.8	70.4	393
	21-23	100.0	100.0	100.0	100.0	100.0	95.0	91.7	60.0	21.7	82.9	60
TOTALS		100.0	100.0	99.6	95.6	88.7	76.7	66.1	47.6	23.7	75.4	2812

USAF ETAC

FORM
JUL 64

0-87-5 (OL 1)

RELATIVE HUMIDITY

65-70

STATION

STATION NAME

PERIOD

— NORTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	44.4	91.1	9
	03-05	100.0	100.0	100.0	100.0	100.0	99.0	98.1	85.4	53.9	90.2	238
	06-08	100.0	100.0	100.0	100.0	99.6	96.4	82.3	56.3	23.8	81.9	522
	09-11	100.0	100.0	100.0	99.2	85.1	64.0	42.9	25.1	11.1	68.3	522
	12-14	100.0	100.0	100.0	94.1	69.3	47.9	33.0	18.6	8.0	62.6	512
	15-17	100.0	100.0	99.0	92.5	67.7	49.9	33.7	19.1	6.9	62.6	507
	18-20	100.0	100.0	100.0	98.5	88.2	70.7	51.5	31.1	11.2	70.8	338
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	65.6	36.4	18.2	78.4	11
TOTALS		100.0	100.0	99.9	98.0	88.7	78.5	63.5	46.5	22.2	75.7	2627

RELATIVE HUMIDITY

65-70

STATION

STATION NAME

PERICO

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	95.5	83.7	60.6	90.5	221
	06-08	100.0	100.0	100.0	100.0	99.6	96.8	87.1	63.8	31.7	83.7	505
	09-11	100.0	100.0	100.0	98.0	91.9	72.9	45.5	24.6	8.3	69.7	505
	12-14	100.0	100.0	99.8	96.5	78.1	51.2	27.1	15.1	5.0	63.1	484
	15-17	100.0	100.0	99.6	97.1	77.2	51.5	30.7	18.6	6.8	63.7	456
	18-20	100.0	100.0	100.0	99.4	92.3	73.5	49.9	28.8	9.7	70.8	339
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	28.0	25.0		70.0	4
TOTALS		100.0	100.0	98.9	96.7	91.4	77.9	51.5	37.1	17.4	73.1	2514

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.5	2
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	98.8	94.2	66.3	92.4	243
	06-08	100.0	100.0	100.0	100.0	99.8	97.4	93.6	77.9	48.5	87.9	534
	09-11	100.0	100.0	99.8	98.7	94.6	79.2	58.6	36.9	18.2	74.2	934
	12-14	100.0	100.0	99.8	95.2	83.0	60.0	40.2	25.9	12.0	67.2	518
	15-17	100.0	100.0	100.0	94.9	80.2	55.9	40.7	24.6	10.0	66.5	491
	18-20	100.0	100.0	100.0	99.5	93.5	87.0	67.5	43.7	20.3	76.9	375
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.3	46.7	90.1	15
TOTALS		100.0	100.0	100.0	98.5	94.1	85.4	76.9	62.0	40.3	81.2	27.2

DATA PROCESSING DIVISION
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

34194 BAD TOLZ GERMANY AAF

64-70

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.5	67.7	93.2	31
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	98.7	92.4	69.1	93.6	236
	06-08	100.0	100.0	100.0	100.0	100.0	99.2	97.4	85.2	61.5	91.7	506
	09-11	100.0	100.0	100.0	99.6	97.2	86.2	66.3	38.1	16.5	76.2	528
	12-14	100.0	100.0	100.0	97.2	88.6	64.7	37.1	18.7	7.1	66.9	517
	15-17	100.0	100.0	100.0	98.1	93.2	69.7	44.4	22.4	8.3	69.2	468
	18-20	100.0	100.0	100.0	99.5	99.2	95.4	85.8	57.8	25.3	82.1	588
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	97.0	84.8	56.1	90.7	66
TOTALS		100.0	100.0	100.0	99.2	97.3	89.5	78.3	61.6	39.0	82.9	2730

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JUL 64

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RELATIVE HUMIDITY

64-70

STATION

STATION NAME

PERIOD

the original
MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.0	90.5	2
	03-05	100.0	100.0	100.0	100.0	100.0	99.2	98.3	87.4	56.3	91.0	238
	06-08	100.0	100.0	100.0	100.0	99.3	97.8	94.6	82.3	55.4	89.7	554
	09-11	100.0	100.0	100.0	98.8	92.5	82.4	68.0	46.1	24.3	77.0	597
	12-14	100.0	100.0	99.1	92.3	78.2	58.6	43.1	26.4	10.2	66.4	587
	15-17	100.0	100.0	99.6	96.6	88.5	72.0	53.3	29.3	11.8	70.9	567
	18-20	100.0	100.0	100.0	100.0	98.7	96.6	89.1	67.0	36.1	84.7	385
	21-23	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	80.0	92.8	5
TOTALS		100.0	100.0	99.8	98.3	94.7	88.3	80.8	67.3	40.5	82.9	2935

RELATIVE HUMIDITY

64-70

STATIONS

STATION NAME

PERIOD

MONITORING

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02											
	03-05	100.0	100.0	100.0	100.0	98.5	96.6	91.4	80.8	55.3	88.2	266
	06-08	100.0	100.0	100.0	100.0	98.6	95.3	89.5	78.1	48.6	87.0	552
	09-11	100.0	100.0	100.0	99.0	95.6	90.7	78.1	60.2	32.4	81.3	593
	12-14	100.0	100.0	99.7	96.3	88.5	77.5	60.5	42.4	22.6	74.4	592
	15-17	100.0	100.0	100.0	98.1	94.9	87.8	74.1	56.7	31.0	80.0	591
	18-20	100.0	100.0	100.0	99.3	97.5	94.4	89.5	79.8	59.2	86.0	446
	21-23											
TOTALS		100.0	100.0	100.0	98.8	95.6	90.4	80.5	66.3	41.5	83.2	3040

RELATIVE HUMIDITY

64-70

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02											
	03-05	100.0	100.0	100.0	100.0	100.0	100.0	97.2	85.6	50.7	88.4	215
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	95.4	84.2	53.0	89.0	525
	09-11	100.0	100.0	100.0	100.0	99.3	98.2	87.9	67.9	41.8	85.3	601
	12-14	100.0	100.0	100.0	100.0	97.6	91.6	78.4	53.4	26.8	80.4	583
	15-17	100.0	100.0	100.0	100.0	98.7	94.3	85.5	64.8	33.9	83.2	543
	18-20	100.0	100.0	100.0	100.0	99.7	98.7	93.4	83.8	50.8	88.3	394
	21-23											
TOTALS		100.0	100.0	100.0	100.0	99.2	97.1	90.0	73.6	42.8	85.8	2861

DATA PROCESSING DIVISION
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AIR WEATHER SERVICE (MAC)
ASHEVILLE, NORTH CAROLINA

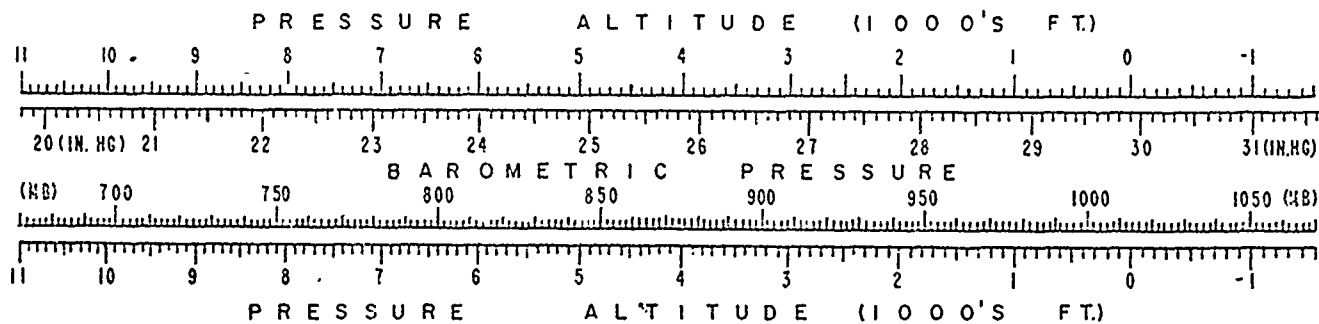
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM QUARTLY OBSERVATIONS

34197 BAD TOLZ GERMANY AAF

65-70

STATION

STATION NAME

YEARS

MRS (LST)	MEAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	S D	27.720	27.840		27.431	27.557	27.577		27.780	27.524	27.63			
	TOTAL OBS	1	2		28	19	3		1	5	1			
04	S D	27.516	27.405	27.475	27.492	27.510	27.625	27.679	27.572	27.580	27.672	27.483	27.44	
	TOTAL OBS	99	107	122	106	62	80	78	93	91	93	119	27	
07	S D	27.489	27.398	27.506	27.487	27.542	27.602	27.643	27.580	27.615	27.619	27.471	27.467	
	TOTAL OBS	148	138	155	149	147	144	145	153	146	155	178	172	
10	S D	27.503	27.408	27.516	27.495	27.549	27.604	27.647	27.591	27.624	27.634	27.486	27.434	
	TOTAL OBS	148	139	155	149	148	144	144	153	146	155	178	172	
13	S D	27.491	27.390	27.504	27.481	27.538	27.594	27.633	27.580	27.609	27.613	27.467	27.46	
	TOTAL OBS	144	138	155	149	143	139	140	151	145	155	178	163	
16	S D	27.492	27.378	27.489	27.461	27.523	27.581	27.621	27.569	27.594	27.600	27.463	27.464	
	TOTAL OBS	144	139	155	148	143	139	140	151	145	155	178	154	
19	S D	27.519	27.414	27.478	27.472	27.519	27.589	27.650	27.571	27.608	27.671	27.500	27.491	
	TOTAL OBS	115	110	123	145	128	109	109	120	134	123	148	130	
22	S D	27.800	27.830		27.451	27.534	27.607	27.700	27.606	27.668	27.64			
	TOTAL OBS	2	1		35	21	3	1	5	22	1			
ALL HOURS	S D	27.501	27.400	27.496	27.478	27.533	27.597	27.643	27.578	27.638	27.630	27.477	27.47	
	TOTAL OBS	801	774	865	909	811	741	757	827	834	838	979	94	

DATA PROCESSING DIVISION
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

34197 BAD TOLZ GERMANY AAF

66-67

STATION

STATION NAME

YEARS

HRS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN S D TOTAL OBS	1028.6 2			1008.11017.4 1	2		1023.51016.8118.7 1	2	1			
04	MEAN S D TOTAL OBS	1022.71020.51019.81015.51013.91019.41018.41016.91016.21018.21018.1117.7 5.223 9.546 8.944 7.511 6.630 4.528 3.505 3.619 5.371 6.512 9.35711.79 31 26 30 30 31 30 31 31 31 31 59 61											422
07	MEAN S D TOTAL OBS	1022.71021.71020.91016.11014.71019.71016.91017.01018.11015.41018.6117.4 5.248 9.466 8.688 7.503 6.481 4.623 4.308 3.745 4.709 7.115 9.90311.932 31 28 31 30 31 30 62 62 60 62 60 62											549
10	MEAN S D TOTAL OBS	1023.41021.91021.11016.11014.81019.71016.81017.11018.11015.41019.3117.7 5.197 9.345 8.838 7.404 6.168 4.311 4.346 3.671 4.752 7.189 9.84811.912 31 28 31 30 31 30 62 62 60 62 60 62											549
13	MEAN S D TOTAL OBS	1022.51020.81020.91015.31014.31019.11016.51016.61017.31014.01019.6117.7 5.521 9.793 8.413 7.337 6.296 4.141 4.177 3.599 4.763 7.100 9.64511.476 31 28 31 30 31 30 62 62 60 62 60 62											549
16	MEAN S D TOTAL OBS	1022.41020.11020.21014.91013.81019.11016.21016.31016.61013.71019.5117.7 5.590 9.761 8.203 6.866 6.284 4.155 4.112 3.825 4.815 7.199 9.45311.645 31 28 31 30 31 30 62 62 60 62 60 62											549
19	MEAN S D TOTAL OBS	1023.31021.51020.71015.31014.11019.21018.11016.81017.91018.51019.1117.7 5.601 9.243 8.105 6.830 6.090 4.137 3.546 4.316 5.217 6.849 9.79611.836 31 28 31 30 31 30 31 31 49 31 60 62											445
22	MEAN S D TOTAL OBS	1027.91029.9 1	1		1008.51009.51018.11017.91017.31020.51020.0 2 3 2 1 4			4.198 20		1			117.7 5.541 35
ALL HOURS	MEAN S D TOTAL OBS	1022.91021.21020.61015.51014.21019.31017.01016.81017.61015.41018.7117.5 5.338 9.381 8.431 7.182 6.334 4.255 4.128 3.781 4.916 7.182 9.69111.730 187 169 185 182 190 184 311 315 342 312 359 371											317